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  - \* /opt/cola/permits/1274700344\_1645235023.94/0/okio-2-8-0-sources-jar/commonMain/okio/RealBufferedSink.kt
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# 1.15 types-keygrip 1.0.2

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## 1.16 csstype 3.1.1

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Found in path(s):

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/event/ProgressListener.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/waiters/MaxAttemptsRetryStrategy.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/config/HttpClientConfigJsonHelper.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/waiters/AccepterPathMatcher.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
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jar/com/amazonaws/monitoring/DefaultCsmConfigurationProviderChain.java  
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jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryProviderChain.java  
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jar/com/amazonaws/auth/policy/PolicyReaderOptions.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/waiters/WaiterExecution.java  
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jar/com/amazonaws/ProxyAuthenticationMethod.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
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jar/com/amazonaws/waiters/HttpSuccessStatusAcceptor.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/monitoring/internal/AsynchronousAgentDispatcher.java  
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jar/com/amazonaws/SDKGlobalConfiguration.java  
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jar/com/amazonaws/auth/AWS4UnsignedPayloadSigner.java  
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jar/com/amazonaws/monitoring/MonitoringEvent.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/auth/policy/Action.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/retry/internal/MaxAttemptsResolver.java  
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jar/com/amazonaws/internal/config/HostRegexToRegionMappingJsonHelper.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/transform/StaxUnmarshallerContext.java  
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jar/com/amazonaws/handlers/AbstractRequestHandler.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/util/AWSServiceMetrics.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/auth/WebIdentityTokenCredentialsProvider.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/util/NamespaceRemovingInputStream.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/auth/profile/internal/BasicProfileConfigFileLoader.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/waiters/HttpFailureStatusAcceptor.java  
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jar/com/amazonaws/handlers/RequestHandler2Adaptor.java  
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jar/com/amazonaws/metrics/ThroughputMetricType.java  
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jar/com/amazonaws/auth/AWS3Signer.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/auth/DefaultSignerProvider.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/adapters/types/StringToInputStreamAdapter.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/log/InternalLogFactory.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/IdempotentUtils.java  
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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/DateTimeJsonSerializer.java  
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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/handlers/IRequestHandler2.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/conn/ssl/ShouldClearSslSessionPredicate.java  
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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/apache/client/impl/ConnectionFactoryAwareHttpClient.java

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jar/com/amazonaws/internal/config/JsonIndex.java  
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jar/com/amazonaws/Protocol.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/SigningAlgorithm.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/SignatureVersion.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/transform/LegacyErrorUnmarshaller.java  
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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/transform/SimpleTypeUnmarshallers.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/transform/Unmarshaller.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/transform/VoidUnmarshaller.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/AWSCredentials.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/event/RequestProgressInputStream.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/SdkSSLSocket.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/event/DeliveryMode.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/event/ProgressTracker.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/event/SDKProgressPublisher.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/event/request/ProgressSupport.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/event/ResponseProgressInputStream.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/ProfilesConfigFile.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/internal/Profile.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/ProfileCredentialsProvider.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/internal/SignerConstants.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/LengthCheckInputStream.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/event/request/Progress.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/internal/securitytoken/ProfileCredentialsService.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/event/SyncProgressListener.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/BoundedLinkedHashMap.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/event/ProgressInputStream.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/internal/AbstractProfilesConfigFileScanner.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/internal/AWS4SignerRequestParams.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/DelegateSSLSocket.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/SdkSocket.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/internal/AWS4SignerUtils.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/UnreliableTestConfig.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/package-info.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/internal/securitytoken/RoleInfo.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/internal/BasicProfileConfigLoader.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/internal/securitytoken/STSProfileCredentialsServiceProvider.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/FIFOCache.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/SdkInputStream.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/ProcessCredentialsProvider.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/Platform.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/event/ProgressEventFilter.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/internal/ProfileProcessCredentialsProvider.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/UnreliableFilterInputStream.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/internal/SignerKey.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/Releasable.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/InMemoryRegionsProvider.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/partitions/model/Endpoint.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/partitions/model/Service.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/partitions/PartitionRegionImpl.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/json/SdkStructuredIonFactory.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/partitions/PartitionMetadataProvider.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/AbstractRegionMetadataProvider.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/json/SdkIonGenerator.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/RegionMetadataFactory.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/LegacyRegionXmlMetadataBuilder.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/apache/SdkProxyRoutePlanner.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/partitions/model/Partition.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/partitions/model/CredentialScope.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/RegionImpl.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/RegionMetadataProvider.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/partitions/PartitionsLoader.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/InMemoryRegionImpl.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/transform/SimpleTypeCborUnmarshallers.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/LegacyRegionXmlLoadUtils.java  
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- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/URLEncodedUtils.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/BasicNameValuePair.java

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- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/ServiceAbbreviations.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/Regions.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/conn/ssl/SdkTLSSocketFactory.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/RequestSigner.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/ImmutableRequest.java  
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\* Interface for providing AWS credentials. Implementations are free to use any  
\* strategy for providing AWS credentials, such as simply providing static  
\* credentials that don't change, or more complicated implementations, such as  
\* integrating with existing key management systems.  
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jar/com/amazonaws/auth/AWSCredentialsProvider.java

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jar/com/amazonaws/retry/v2/OrRetryCondition.java

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jar/com/amazonaws/protocol/ProtocolMarshaller.java

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jar/com/amazonaws/transform/Pathmarshallers.java

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jar/com/amazonaws/protocol/ProtocolRequestMarshaller.java

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jar/com/amazonaws/protocol/json/SdkJsonMarshallerFactory.java

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jar/com/amazonaws/util/XMLWriter.java

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jar/com/amazonaws/protocol/json/internal/SimpleTypeJsonmarshallers.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/profile/path/cred/CredentialsDefaultLocationProvider.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/EndpointToRegion.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/ClientConfigurationFactory.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/AwsRegionProviderChain.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/transform/AbstractErrorUnmarshaller.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/profile/path/AwsDirectoryBasePathProvider.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/StaticCredentialsProvider.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/retry/v2/RetryCondition.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/json/internal/ValueToStringConverters.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/client/builder/AwsClientBuilder.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/presign/PresignerParams.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/TimingInfo.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/client/ClientHandler.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/json/JsonErrorResponseMetadata.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/AWSRefreshableSessionCredentials.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/client/ClientExecutionParams.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/timers/client/SdkInterruptedException.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/json/JsonContentTypeResolverImpl.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/profile/path/AwsProfileFileLocationProviderChain.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/json/JsonErrorShapeMetadata.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/AmazonWebServiceRequestAdapter.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/retry/v2/BackoffStrategy.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/client/AwsAsyncClientParams.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/json/JsonProtocolMarshallerBuilder.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/retry/v2/FixedDelayBackoffStrategy.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/retry/V2CompatibleBackoffStrategy.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/internal/ProfileStaticCredentialsProvider.java

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- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/profile/path/cred/CredentialsEnvVarOverrideLocationProvider.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/retry/v2/RetryOnExceptionsCondition.java
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- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/profile/path/config/SharedConfigDefaultLocationProvider.java
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- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/internal/AwsProfileNameLoader.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/json/internal/MarshallerRegistry.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/client/ClientHandlerImpl.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/Protocol.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/StructuredPojo.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/retry/v2/RetryPolicy.java
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- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/client/builder/AwsAsyncClientBuilder.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/retry/PredefinedBackoffStrategies.java
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- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/retry/v2/MaxNumberOfRetriesCondition.java
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- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/transform/ListUnmarshaller.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/profile/path/AwsProfileFileLocationProvider.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/profile/path/cred/CredentialsLegacyConfigLocationProvider.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/json/internal/JsonMarshallerContext.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/DefaultAwsRegionProviderChain.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/response/AwsResponseHandlerAdapter.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/profile/internal/AllProfiles.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/transform/MapUnmarshaller.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/AwsProfileRegionProvider.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/AwsErrorResponseHandler.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/presign/PresignerFacade.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/TimingInfoUnmodifiable.java

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jar/com/amazonaws/internal/SdkRequestRetryHeaderProvider.java
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jar/com/amazonaws/annotation/SdkInternalApi.java  
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jar/com/amazonaws/annotation/NotThreadSafe.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/annotation/SdkTestInternalApi.java  
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jar/com/amazonaws/annotation/Beta.java  
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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/ContainerCredentialsRetryPolicy.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/ContainerCredentialsProvider.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/CredentialsEndpointProvider.java  
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- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/InstanceProfileCredentialsProvider.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/AwsHostNameUtils.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/CRC32MismatchException.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/ClasspathPropertiesFileCredentialsProvider.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/SystemPropertiesCredentialsProvider.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/DynamoDBBackoffStrategy.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/CustomBackoffStrategy.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/internal/EC2MetadataClient.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/IdleConnectionReaper.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/AWSCredentialsProviderChain.java
- \* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/EnvironmentVariableCredentialsProvider.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/HandlerContextAware.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/metrics/MetricAdminMBean.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/BasicSessionCredentials.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/AWSSessionCredentialsProvider.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/jmx/spi/SdkMBeanRegistry.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/json/Jackson.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/RequestClientOptions.java

\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/jmx/spi/JmxInfoProvider.java

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\* Interface for providing AWS region information. Implementations are free to use any strategy for  
\* providing region information.  
\*/

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/transform/EnhancedJsonErrorUnmarshaller.java  
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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/json/SdkCborGenerator.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/JsonResponseHandler.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/protocol/json/SdkStructuredPlainJsonFactory.java  
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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskImpl.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/ComparableUtils.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/conn/SdkConnectionKeepAliveStrategy.java

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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/http/JsonErrorResponseHandler.java  
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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/auth/AWS4Signer.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/util/AbstractBase32Codec.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/regions/RegionUtils.java  
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\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-jar/com/amazonaws/ResetException.java  
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jar/com/amazonaws/util/endpoint/DefaultRegionFromEndpointResolver.java  
\* /opt/cola/permits/1653647373\_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
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jar/com/amazonaws/internal/http/IonErrorCodeParser.java  
* /opt/cola/permits/1653647373_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/internal/http/ErrorCodeParser.java  
* /opt/cola/permits/1653647373_1683548297.087584/0/aws-java-sdk-core-1-12-455-sources-  
jar/com/amazonaws/internal/http/CompositeErrorCodeParser.java
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1. Newtonsoft version 13.0.1 (<https://github.com/JamesNK/Newtonsoft.Json>)
2. Mono.Cecil version 0.11.3 (<https://github.com/jbevain/cecil>)

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## 1.24 org.xmlunit:xmlunit-placeholders 2.9.1

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Manifest-Version: 1.0  
Created-By: Apache Maven Bundle Plugin  
Built-By: stefan  
Build-Jdk: 17.0.5  
Specification-Title: org.xmlunit:xmlunit-placeholders  
Specification-Version: 2.9

Specification-Vendor: XMLUnit  
Implementation-Title: org.xmlunit:xmlunit-placeholders  
Implementation-Version: 2.9.1  
Implementation-Vendor-Id: org.xmlunit  
Implementation-Vendor: XMLUnit  
Implementation-URL: <https://www.xmlunit.org/xmlunit-placeholders/>  
Automatic-Module-Name: org.xmlunit.placeholder  
X-Compile-Source-JDK: 1.7  
X-Compile-Target-JDK: 1.7  
X-Git-Hash: 9118af20aeaa6b8665be9c13fc84c1fd25b51acd (Branch main)  
build-time: 2023-01-10T15:19:21Z  
Bnd-LastModified: 1673364089396  
Bundle-Description: XMLUnit for Java Placeholder DSL for Comparisons  
Bundle-DocURL: <https://www.xmlunit.org/xmlunit-placeholders/>  
Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>  
Bundle-ManifestVersion: 2  
Bundle-Name: org.xmlunit:xmlunit-placeholders  
Bundle-SymbolicName: org.xmlunit.xmlunit-placeholders  
Bundle-Vendor: XMLUnit  
Bundle-Version: 2.9.1  
Export-Package: org.xmlunit.placeholder;version="2.9.1"  
Import-Package: javax.xml.namespace,org.w3c.dom,org.xmlunit,org.xmlunit.  
builder,org.xmlunit.diff,org.xmlunit.util  
Include-Resource: META-INF/services/org.xmlunit.placeholder.PlaceholderH  
andler=src/main/resources/META-INF/services/org.xmlunit.placeholder.Pla  
ceholderHandler  
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"  
Tool: Bnd-3.2.0.201605172007

Found in path(s):

\* /opt/cola/permits/1663667668\_1684135091.9439685/0/xmlunit-placeholders-2-9-1-jar/META-INF/MANIFEST.MF

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\* /opt/cola/permits/1663667668\_1684135091.9439685/0/xmlunit-placeholders-2-9-1-jar/META-INF/maven/org.xmlunit/xmlunit-placeholders/pom.xml

## 1.25 cli-cursor v3.1.0

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## 1.27 mapstruct-core 1.5.2.Final

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/*  
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 */
```

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```
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/InheritInverseConfiguration.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/Mapping.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/factory/Mappers.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/ObjectFactory.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/BeanMapping.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/NullValueCheckStrategy.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/factory/package-info.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/SubclassMapping.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/DecoratedWith.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/IterableMapping.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/ValueMapping.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/Context.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/control/NoComplexMapping.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/Mappings.java  
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/CollectionMappingStrategy.java
```

\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/Qualifier.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/InjectionStrategy.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/NullValueMappingStrategy.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/MapperConfig.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/ReportingPolicy.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/MappingTarget.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/MappingInheritanceStrategy.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/SubclassExhaustiveStrategy.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/package-info.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/Mapper.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/ValueMappings.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/BeforeMapping.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/Condition.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/SubclassMappings.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/util/Experimental.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/control/MappingControl.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/TargetType.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/InheritConfiguration.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/MapMapping.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/control/DeepClone.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/control/MappingControls.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/NullValuePropertyMappingStrategy.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/MappingConstants.java  
\* /opt/cola/permits/1636393243\_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/org/mapstruct/EnumMapping.java

```
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-
jar/org/mapstruct/Builder.java
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-
jar/org/mapstruct/Named.java
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-
jar/org/mapstruct/AfterMapping.java
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```

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```
* /opt/cola/permits/1636393243_1683549431.711506/0/mapstruct-1-5-2-final-sources-jar/META-
INF/maven/org.mapstruct/mapstruct/pom.xml
```

## 1.28 jackson-annotations 2.13.5

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## 1.29 springdoc-openapi-common 1.6.6

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# 1.33 maven-repository-metadata-model 3.9.0

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## 1.34 java-architecture-for-xml-binding 2.3.3

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## 1.36 side-channel 1.0.4

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- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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- javaee\_web\_services\_1\_3.xsd
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- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
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- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
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- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
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## 1.44 ansi-regex 6.0.1

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## 1.45 shebang-command 2.0.0

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## 1.46 string-argv 0.3.1

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## 1.47 colord 2.9.3

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## 1.48 @humanwhocodes/object-schema 1.2.1

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## 1.50 array-includes 3.1.5

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## 1.51 @types/minimist 1.2.2

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## 1.52 is-string 1.0.7

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# 1.53 color-name 1.1.3

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# 1.54 axe-core 4.4.3

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## 1.56 @babel/plugin-syntax-optional-catch-binding 7.8.3

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## 1.57 types-babel-traverse 7.18.2

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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/BitTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/EmptyInterceptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/UnaryOperatorNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/HibernateTraversableResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/JdbcTimestampTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/CriteriaImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/CompositePropertyMapping.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/spi/GraphNodeImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/LockOptions.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/SelectExpressionList.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultInitializeCollectionEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/CoordinatingEntityNameResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ejb/HibernateEntityManager.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/CockroachDB192Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/internal/ProcedureOutputsImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/SetBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/AbstractPathImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/ForeignKeys.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/internal/ExtractedDatabaseMetaDataImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitIndexColumnNameSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/CriteriaBuilderImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/spi/AttributeNodeImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/ReaderCollector.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/classloading/spi/ClassLoaderService.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/AbstractEmptinessExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/NotExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/BasicPathUsageException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityIncrementVersionProcess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/TransactionManagerBasedSynchronizationStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/PropertyInferredData.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/RowVersionType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SortNatural.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/InlineDirtyCheckingHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/spi/PersistentCollection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/LazyAttributeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/JtaPlatformResolverInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SingularAttributeSourceOneToOneImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/CollectionIdSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/JoinImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/PropertyNotFoundException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/Origin.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/ComponentTuplizer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/tracker/CompositeOwnerTracker.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/SessionOwnerBehavior.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/ConcatExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptSourceInputNonExistentImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/ConnectionCreator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/OffsetDateTimeType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/spi/ManagedBean.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/DialectResolutionInfoSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/HibernateProxy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/AbstractCollectionLoadQueryDetails.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/MultipleLinesSqlCommandExtractor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQL82Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/CollectionRemoveAction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/SchemaDropperImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/OptimisticLocking.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/SelectClause.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/NumericTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceBasic.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/IdentifierType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/JtaSynchronizationStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/LazyToOne.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/TypeFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/internal/CfgXmlAccessServiceInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/IndexNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgresPlusDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/HolderInstantiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyMapImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MappingDefaults.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/IdBagBinder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/CacheRegionDefinition.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyMixedImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/LocalSynchronizationException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/TypeNullability.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/CacheableFileXmlSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/GroupedSchemaMigratorImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/CoreMessageLogger.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/SerializableTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/JdbcResultMetadata.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/AbstractCompositeEntityIdentifierDescription.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/ReferenceCacheEntryImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/TableGenerator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/PkDrivenByDefaultMapsIdSecondPass.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/TimestampAttributeSourceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/internal/NullableDiscriminatorColumnSecondPass.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Tuplizer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/spi/JaccService.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/Property.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/Assigned.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/OriginImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DB2390Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/SimpleValue.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/reflection/PersistentAttributeFilter.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/FlushEventListener.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/CollectionUpdateAction.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreCollectionRemoveEventListener.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/JoinDefinedByMetadata.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Where.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/MultiTenancySource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostDeleteEventListener.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/ArchiveException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/NClobType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeNature.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/sql/SQLQueryReturnProcessor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/internal/ManagedSessionContext.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/DatabaseMetaDataDialectResolutionInfoAdapter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/LiteralType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/FromPathExpressionParser.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/spi/AbstractMultiTenantConnectionProvider.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/pojo/BasicLazyInitializer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/OnReplicateVisitor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/PathImplementor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/GenerationTargetToStdout.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/StaleStateException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/unique/UniqueDelegate.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/RootReturn.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/CollectionPropertyMapping.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/LocateFunction.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/FetchStrategy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/LobCreator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/FieldReaderAppender.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/IdsClauseBuilder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Component.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorHANADatabaseImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/ExtractionTool.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/PositionalParameterInformationImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/ConnectionValidator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/IdGeneratorStrategyInterpreter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/StandardUniqueKeyExporter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/StandardIndexExporter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/ExceptionConverterImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/InlineIdsOrClauseBulkIdStrategy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/AfterCompletionActionLegacyJpaImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataImplementor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ToOneBinder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/AbstractIdsBulkIdHandler.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/SingleTableEntityPersister.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/AbstractDelegatingMetadataBuilderImplementor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/BinderHelper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/EmbeddableSourceVirtualImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/ColumnBindingDefaults.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/JarFileEntryXmlSource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/JavaTypeDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/NotNullExpression.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/CollectionStatisticsImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/CalendarTimeTypeDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/Version.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/AnnotationException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/PersistentClass.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/ParameterContainer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/EmbeddableMapping.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/insert/AbstractSelectingDelegate.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/SQLLoadable.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/JtaPlatformInaccessibleException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/spi/JaccPermissionDeclarations.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FromReferenceNode.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/CompositeIdentifierSingularAttributeSourceManyToOneImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/process/spi/NoOpMetadataSourceProcessorImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceEmbedded.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/EntityMetamodel.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/InMemoryValueGenerationStrategy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/spi/Binding.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/BuiltInPropertyAccessStrategies.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/ListBinder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/engine/config/internal/ConfigurationServiceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/RelationalObjectBinder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/entity/EntityBasedCompositionAttribute.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/FetchNotFoundException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/spi/ExpandingEntityIdentifierDescription.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/beanvalidation/ActivationContext.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/ManagedEntity.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/spi/LoadPlanBuildingAssociationVisitationStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/internal/SynchronizationRegistryStandardImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/DerbyTenFiveDialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/internal/AbstractProducedQuery.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/QueryTranslator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PersistEvent.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/EventEngineContributor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/FloatTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/DynamicUpdate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/spi/ScanOptions.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/ValueGenerationType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/classic/ClauseParser.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/NonContextualJdbcConnectionAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/Helper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/internal/none/NoProxyFactoryFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/IdentifierSourceNonAggregatedComposite.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/TypeDiscriminatorMetadata.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/service/internal/SessionFactoryServiceRegistryBuilderImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/util/SyntheticAndFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/hbm/spi/PluralAttributeInfoPrimitiveArrayAdapter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/MariaDB102Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/exception/spi/TemplatedViolatedConstraintNameExtractor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/DataHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/SerializableBlobProxy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/IdentifierAttribute.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/batch/internal/BasicBatchKey.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/jdbc/spi/JdbcSessionOwner.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/Caching.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/mapping/spi/LifecycleCallback.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/internal/DefaultSessionFactoryBuilderService.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/BatchFetchQueueHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/MathHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/PhysicalNamingStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/UUIDGenerator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/Delete.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/transform/CacheableResultTransformer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/service/spi/JpaBootstrapSensitive.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/SQLServer2008Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/QueryHints.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/LazyToOneOption.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jmx/spi/JmxService.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/boot/model/process/internal/ManagedResourcesImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/mapping/internal/LockModeTypeMarshalling.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/collection/plan/LegacyBatchingCollectionInitializerBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/PostDeleteEventListenerStandardImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jndi/internal/JndiServiceInitiator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/UniqueConstraintSchemaUpdateStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/Managed.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/WrapVisitor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/IdTableInfo.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/AbstractNonIdentifierAttribute.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/VmValueGeneration.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/EventSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/internal/ExceptionMapperLegacyJpaImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/LongTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/SqlFragmentAlias.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/DynamicFilterAliasGenerator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/TransientObjectException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/spi/ParamLocationRecognizer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/ReplicateEvent.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Target.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/ConditionFragment.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/Criteria.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/spi/PersisterClassResolver.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/ReplicationMode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/type/descriptor/java/NClobTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/CompositeTracker.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/exception/ConstraintViolationException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/DB2400V7R3Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/NotYetImplementedException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/ordering/antlr/ColumnMapper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/TableReferenceNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/internal/stax/XMLStreamConstantsUtils.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/classic/HavingParser.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/ProcedureParameterExtractionAware.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/env/spi/QualifiedObjectNameFormatter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/BetweenOperatorNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableElementEntityGraph.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/ManyToOneAttributeColumnsAndFormulasSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/Status.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/action/internal/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/compile/ImplicitParameterBinding.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/param/NamedParameterSpecification.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/OneToMany.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/NumericBooleanType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/WildFlyStandAloneJtaPlatform.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/spi/MultiTenantConnectionProvider.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/collection/OneToManyJoinWalker.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/StreamUtils.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/annotations/OptimisticLock.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/process/spi/ReturnReader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/Orderable.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/entry/StandardCacheEntryImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/collection/internal/PersistentArrayHolder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/spi/PersisterCreationContext.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/engine/jdbc/connections/spi/ConnectionProvider.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/DB2IdentityColumnSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/loader/plan/exec/process/internal/EntityReferenceInitializerImpl.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/internal/ColumnInformationImpl.java  
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jar/org/hibernate/engine/jdbc/internal/StatementPreparerImpl.java  
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jar/org/hibernate/persister/entity/DiscriminatorType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Subclass.java  
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jar/org/hibernate/boot/registry/StandardServiceInitiator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/TimeType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/WebSphereJtaPlatform.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/SecondaryTableSecondPass.java  
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jar/org/hibernate/id/PostInsertIdentifierGenerator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/ScrollableResultsImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/loader/collection/BatchingCollectionInitializerBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/IdentityColumnSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/spi/ReflectionOptimizer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/internal/MetamodelImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/Ejb3Column.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/bytobuddy/FieldWriterAppender.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/ArrayType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/PluralAttributeSequentialIndexSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/lock/PessimisticWriteUpdateLockingStrategy.java  
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jar/org/hibernate/property/access/internal/PropertyAccessStrategyBasicImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/ColumnTransformers.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/CockroachDB201Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/OuterJoinableAssociation.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/ResultSetWrapperProxy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/internal/ByteArrayInputStreamAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/UUIDBinaryType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/SessionEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/BasicType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/DatabaseIdentifier.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/spi/TypeSearchability.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Table.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/exception/internal/SQLExceptionTypeDelegate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/process/internal/ResultSetProcessorImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/event/service/spi/DuplicationStrategy.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/loader/entity/plan/package-info.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/engine/internal/ManagedTypeHelper.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/boot/model/source/spi/FetchableAttributeSource.java  
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 jar/org/hibernate/persister/walking/spi/EncapsulatedEntityIdentifierDefinition.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/engine/jdbc/ColumnNameCache.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/jpa/spi/MutableJpaCompliance.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/cfg/annotations/reflection/AttributeConverterDefinitionCollector.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/engine/jdbc/connections/spi/JdbcConnectionAccess.java  
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 jar/org/hibernate/loader/plan/exec/spi/LoadQueryDetails.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/resource/transaction/TransactionRequiredForJoinException.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/exception/spi/SQLExceptionConversionDelegate.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/mapping/IdentifierBag.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/engine/query/spi/EntityGraphQueryHint.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/tool/schema/extract/internal/TableInformationImpl.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/procedure/internal/PostgresCallableStatementSupport.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/internal/util/collections/JoinedIterator.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/boot/model/source/internal/hbm/PropertySource.java  
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 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/hql/internal/ast/tree/OperatorNode.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/loader/plan/exec/process/internal/CollectionReferenceInitializerImpl.java  
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 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/tuple/StandardProperty.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/cfg/annotations/reflection/internal/JPAXMLOverriddenMetadataProvider.java  
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jar/org/hibernate/service/spi/SessionFactoryServiceRegistryBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/ImplicitNamingStrategyLegacyHbmImpl.java  
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jar/org/hibernate/annotations/Check.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/internal/NaturalIdStatisticsImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/spi/PermissionCheckEntityInformation.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/interceptor/EnhancementHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/EntityUniqueKey.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/internal/bytebuddy/HibernateMethodLookupDispatcher.java  
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jar/org/hibernate/type/descriptor/java/IncomparableComparator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/DataDirectOracle9Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/Sybase11JoinFragment.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/OnUpdateVisitor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/internal/CollectionCacheInvalidator.java  
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jar/org/hibernate/mapping/Value.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/NameGenerator.java  
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jar/org/hibernate/bytecode/enhance/spi/EnhancementContext.java  
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jar/org/hibernate/loader/entity/NaturalIdType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/AbstractManipulationCriteriaQuery.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PostActionEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/loader/plan/spi/CompositeFetch.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/AbstractAnsiTrimEmulationFunction.java  
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jar/org/hibernate/annotations/Index.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/boot/model/source/spi/ForeignKeyContributingSource.java  
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 jar/org/hibernate/annotations/SQLUpdate.java  
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 jar/org/hibernate/engine/jdbc/internal/HighlightingFormatter.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/cache/spi/entry/StructuredCacheEntry.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/hql/internal/QueryTranslatorFactoryInitiator.java  
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 jar/org/hibernate/mapping/ValueVisitor.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/bytecode/enhance/spi/interceptor/LazyAttributeLoadingInterceptor.java  
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 jar/org/hibernate/procedure/spi/ProcedureCallImplementor.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/dialect/identity/CUBRIDIdentityColumnSupport.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/bytecode/enhance/internal/bytebuddy/ByteBuddyEnhancementContext.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/annotations/AnyMetaDefs.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/engine/query/spi/OrdinalParameterDescriptor.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/Hibernate.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/engine/spi/EntityEntryExtraState.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/boot/model/source/internal/hbm/SingularIdentifierAttributeSourceImpl.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/resource/transaction/backend/jdbc/internal/JdbcResourceLocalTransactionCoordinatorBuilderImpl.  
 java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/hql/internal/ast/tree/IsNotNullLogicOperatorNode.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/boot/model/source/spi/PluralAttributeMapKeyManyToManySource.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/exception/DataException.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/ejb/HibernateQuery.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/PropertyValueException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/FilterDef.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/CreateKeySecondPass.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/ResolvableNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/ResolveNaturalIdEvent.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/DynamicBatchingEntityLoader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/RowVersionTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/EntityState.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/BasicCollectionLoader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/cursor/spi/RefCursorSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/LogHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/HibernateTypeSourceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/DefaultEntityAliases.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/WrappedBlob.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/GenerationTypeMarshalling.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/AssertionFailure.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/ConnectionHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/LengthFunction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/SQLQuery.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/DateTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/IdentityMap.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/internal/LogicalConnectionProvidedImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Database.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/pojo/bytebuddy/ByteBuddyInterceptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/DefaultSchemaFilter.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SelfDirtinessTracker.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/NestedCompositeAttributeFetchImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/integrator/internal/IntegratorServiceImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/JdbcExceptionHandler.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/classloading/internal/ClassLoaderServiceImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreLoadEvent.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaCreator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/ReattachVisitor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptSourceInputFromReader.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ColumnsBuilder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/NullExpression.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/PostgreSQL10IdentityColumnSupport.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/spi/Bootstrap.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/AttributeContainer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/CompositeElementPropertyMapping.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/local/PreparationContextImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/spi/PersistenceUnitDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/pojo/ProxyFactoryHelper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityAction.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/ParameterMetadataImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/NonEncapsulatedEntityIdentifierDefinition.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/MergeContext.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/InitializeCollectionEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/DialectResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/EntityInfo.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/ClassicQueryTranslatorFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/internal/SynchronizationRegistryImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/CascadePoint.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/Renderable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/AnsiTrimFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/AbstractStatement.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/JtaTransactionCoordinatorImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/OuterJoinLoader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/MutabilityPlan.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/LazyInitializer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/NoopLimitHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/uuid/CustomVersionOneStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeIndexNature.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/XMLStreamConstantsUtils.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/ServiceDependencyException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/HANACloudColumnStoreDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/DriverManagerConnectionProviderImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/IndexColumn.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metadata/CollectionMetadata.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/ListAttributeJoin.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/CastFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/UpdateTimestamp.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/FastSessionServices.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/InsertStatement.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/AttributeFetch.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/QueryParameterBinding.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/StatusTranslator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/TypeHelper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaManagementTool.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/spi/TransactionImplementor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptSourceInputFromUrl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/BaseSessionEventListener.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/ParameterTranslationsImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/AccessType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/FilterImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/StatementPreparer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/spi/PersisterFactory.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/BaselineSessionEventsListenerBuilder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/JOTMJtaPlatform.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/IdentifierGeneratorHelper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/SimpleValueBinder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableIndexAnyGraph.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/LockingStrategyException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/SessionFactoryHelper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SingularAttributeNature.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/InitialValueAwareOptimizer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeElementSourceEmbeddedImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/classloading/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/spi/JtaPlatformProvider.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/ParameterBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessBasicImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/JavaConstantNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/QueryNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/AbstractServiceRegistryImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/NoSuchParameterException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorCUBRIDDatabaseImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/SQLCriterion.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/QuerySpacesImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jdbc/internal/DdlTransactionIsolatorNonJtaImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/LogicalExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingCompositeQuerySpace.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/OptimisticLockStyleConverter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/SubselectOneToManyLoader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/ServiceRegistryImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/internal/TransactionCoordinatorBuilderInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/TypeResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/MimerSQLIdentityColumnSupport.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/loading/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/AttributeConversionInfo.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitNamingStrategyComponentPathImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/SessionFactoryServiceInitiatorContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/NClobProxy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/TeradataDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/ParameterSpecification.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityDeleteAction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreCollectionUpdateEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/SelectPathExpressionParser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/EmbeddableSourceContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/UnionSubclassEntityPersister.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/LocalMetadataBuildingContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/pojo/bytebuddy/ByteBuddyProxyHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/AnyAttributeFetchImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/PersistentObjectException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/DynamicParameterizedType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/profile/Association.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/ResultSetProcessor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/StructuredMapCacheEntry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/PropertyMapping.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/MetadataImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/BatchBuilderMXBean.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/RowReader.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/map/MapLazyInitializer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQLDialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/LoadEventListener.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/WorkExecutorVisitable.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/BootstrapServiceRegistry.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/uuid/Helper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/spi/Executable.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/StandardArchiveDescriptorFactory.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/AttributesHelper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/AttributePath.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SybaseDialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/IdentifierGenerationException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/JpaComplianceImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/DB2SubstringFunction.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/StrategyRegistrationProvider.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/QuerySpaces.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/AbstractDelegatingSharedSessionBuilder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/SequenceIdentityGenerator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/InformationExtractorJdbcDatabaseMetaDataImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ListType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/Update.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/HANAColumnStoreDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/spi/PhysicalJdbcTransaction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/local/Helper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/DecodeCaseFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/Insert.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/IntegerTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultLockEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/AbstractPropertyMapping.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/EntityAttributeFetchImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/PluralAttributePath.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/CommandAcceptanceException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/JoinedSubclassEntitySourceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/MultipleHiLoPerTableGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/FetchCharacteristicsSingularAssociationImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/UnloadedClass.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/BatchingBatch.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/AbstractDelegatingSessionFactoryBuilderImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/ConvertFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/ConfigParameterContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/MappingNotFoundException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyChainedImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/PropertyHolder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/AbstractParameterInformation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/SessionFactoryOptions.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SybaseAnywhereDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/CollectionJoinImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeMapKeySource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/MultiTenancyStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Property.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/InitializeableNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jmx/internal/JmxServiceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/internal/Helper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/CreationTimestampGeneration.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/IndexBackref.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/Nullability.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/IntoClause.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/AbstractEntityJoinWalker.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/SaveOrUpdateEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/QueryParameterBindingTypeResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/FetchStyle.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/BytesHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/AbstractSingleColumnStandardBasicType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/RefreshEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreInsertEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/SelectValues.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/converter/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/RootEntitySourceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/CastFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/LockTimeoutException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/SessionFactoryBuilderFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/ExportableProducer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/AbstractDelegatingSessionFactoryBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/CompositeIdentifierSingularAttributeSourceBasicImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/AbstractFlushingEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/AnnotatedClassType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/InterbaseDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/HCANHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/MapJoinImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/HibernateEntityManagerImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/internal/ResultSetOutputImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/PersistentIdentifierGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/EntityNaming.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/OneToManyLoadQueryDetails.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/FilterSourceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/AvgProjection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/SQLGrammarException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/AbstractScrollableResults.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SecondaryTableSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/ColumnInformation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SuppliedConnectionHelper.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/ClassLoaderAccessImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/Informix10LimitHandler.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/NaturalIdMutability.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/ExceptionMapper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/ParameterInformation.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/TypeDefinitionBinder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/ArchiveDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/OrderImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/NativeQueryInterpreterInitiator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/StreamDecorator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/SimpleAuxiliaryDatabaseObject.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/PersistenceContext.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQL95Dialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/internal/MetadataContext.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/FetchCharacteristicsPluralAttribute.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/PersistenceUnitTransactionTypeHelper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/ErrorReporter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/ResultSetWrapperImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/QuerySyntaxException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BinaryType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/RootClass.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/AtomikosJtaPlatform.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/query/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/pojo/bytebuddy/SerializableProxy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/BooleanExpressionPredicate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/SerializableType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DerbyTenSevenDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/SeachedCaseExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/spi/StrategySelector.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/TypedParameterValue.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/SortedSetType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/internal/TransactionImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/PropertyAccessException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/unique/DB2UniqueDelegate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/PolymorphismType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/FilterQueryPlan.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/Sortable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/AbstractCollectionPersister.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/SortedMapType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/MetamodelDrivenLoadPlanBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/SQLProjection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/BlobTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/ManagedProviderConnectionHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQL81Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FromClause.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/PathExpressionParser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/ToolingHintContainer.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/InLineViewSourceImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/AbstractAuxiliaryDatabaseObject.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/NoJtaPlatform.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Subselect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/StatelessSessionImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ReturnGraphTreePrinter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/LegacyLimitHandler.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/ExistsPredicate.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/BulkAccessorException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/SelectExpression.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/MultiEntityLoadingSupport.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/plan/AbstractBatchingCollectionInitializerBuilder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitNameSource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jndi/spi/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/AbstractInlineIdsUpdateHandlerImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/AutoFlushEvent.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityInsertAction.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/MapBinder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/YesNoType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Informix10Dialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/ScrollableResultsIterator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/StandardAuxiliaryDatabaseObjectExporter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SingularAttributeSourceEmbeddedImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/IndexedCollection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/DeleteEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/EntityIdentifierDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/JarFileBasedArchiveDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/HEMLogging.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/DoubleTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/InLineViewSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MariaDBDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/internal/ThreadLocalSessionContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostUpdateEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/NamedSQLQueryDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/GenerationTimingConverter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/spi/JtaPlatformException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/ClobProxy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/OrderByClause.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/Stoppable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/EmbeddableSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/ClassLoaderAccessDelegateImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ejb/AvailableSettings.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/StatisticalLoggingSessionEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/JdbcServices.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/WrapperOptionsContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/PrimitiveCharacterArrayTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/ResultSetProcessorResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/EventType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/SubselectCollectionLoader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/HibernateTypeSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/InvalidMappingException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/CollectionFilterImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SQLInsert.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultPreLoadEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/BasicDialectResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/insert/InsertSelectIdentityInsert.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/LoadQueryJoinAndFetchProcessor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorH2DatabaseImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/IdentifierHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/ASTReferencedTablesPrinter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/log/DeprecationLogger.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/DecimalTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataContributor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/DistinctRootEntityResultTransformer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/AbstractArchiveDescriptorFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/JtaIsolationDelegate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/InDatabaseValueGenerationStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/ScalarReturn.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/QueryJoinFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/StatsNamedContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ClobType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/StringRepresentableType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/PackageDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/SequenceMismatchStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/FilteringXMLEventReader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/WalkingException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/ExceptionHandlerLoggedImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/QuerySpaceHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/ToolingHintContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/SQLLoadableCollection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/StatisticsInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/FirebirdDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/AliasedTupleSubsetResultTransformer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jdbc/spi/JdbcResourceTransaction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/ParameterMetadata.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/NamedAuxiliaryDatabaseObject.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/NativeQueryNonScalarRootReturn.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/AbstractPreDatabaseOperationEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/DeleteEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/ast/SqlScriptParserException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/Output.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/FilterDefinitionBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/AbstractInlineIdsBulkIdHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/internal/parse/GraphLexer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/JdbcTypeNameMapper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/BooleanTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/HqlSqlWalkerNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/PropertyFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/EmbeddableSourceContributor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/PostInsertEventListenerStandardImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ObjectNameSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/PredicateImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/TemporalTypeMarshalling.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/EntityNamingSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/LoadEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/LockAcquisitionException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/tracker/DirtyTracker.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CollectionType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/SetJoinImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/PrimitiveByteArrayTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/CollectionReferenceAliasesImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/ParameterRegistry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/BasicCollectionJoinWalker.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/OneToOne.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/procedure/ProcedureParameter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/PersistentAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/NullifExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/MappingFileDescriptorImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/JdbcContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/AbstractHbmSourceNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/SequenceGenerator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/NamedQuery.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DB2400Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/AssignmentSpecification.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/global/PreparationContextImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/Namespace.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Order.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/uuid/StandardRandomStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeIndexSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/NaturalIdStatistics.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/ResultVariableRefNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/loading/internal/LoadingCollectionEntry.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/compare/RowVersionComparator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/ProcedureCallMemento.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/insert/IdentifierGeneratingInsert.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/HSQLEntityColumnSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/ConstructorNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/XMLInfrastructureException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/MapType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/LockMode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQL55Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/TimeZoneTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/SqlNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/integrator/spi/IntegratorService.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/RealTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jndi/internal/JndiServiceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/spi/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableIndexEntityGraph.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/LegacyHiLoAlgorithmOptimizer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CompositeQuerySpace.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/internal/ResultSetProcessingContextImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/criteria/CriteriaJoinWalker.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/AssociationVisitationStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/ParameterizedType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ConnectionAcquisitionMode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/NodeSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/JDataStoreDialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/LobCreatorBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/ByteTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/IdTableSupportStandardImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/AbstractQuerySpace.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/Expectations.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/ManyToOne.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/ImplicitNumericExpressionTypeDeterminer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/ColumnMetadata.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/Ingres10IdentityColumnSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/BasicExtractor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Array.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/query/spi/NamedParameterContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/CollectionAliases.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/FetchCharacteristics.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Oracle9Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CachedNaturalIdValueSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/StatelessSessionBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/NamedSQLQueryDefinitionBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/AccessTypeMarshalling.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/CacheHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/ManagedMappedSuperclass.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/CollectionHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/XsdException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/JoinColumnsOrFormulas.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Any.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCommitInsertEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/LazyPropertyInitializer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/MetadataSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/GenerationTargetToScript.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/internal/LobCreatorBuilderImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/JtaPlatformInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/Size.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/EnhancerConstants.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/CustomQuery.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/PluralAttributeJoinSupport.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/HbmLocalMetadataBuildingContext.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/BinaryArithmeticOperation.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/OrphanRemovalAction.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/query/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MimerSQLDialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/XmlDocument.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/Database.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/internal/parse/HEGLTokenTypes.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/Metamodel.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreCollectionRecreateEventListener.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/NamedQueryBinder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/ProjectionList.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/spi/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeElementSourceManyToManyImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/NativeSQLQueryPlan.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/MapAttributeJoin.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/sql/PositionalParamBinder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/TrimFunction.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/ServiceRegistry.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/integrator/spi/Integrator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/ErrorMessageLogger.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/HQLQueryPlan.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/internal/PersistenceXmlParser.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/IntStreamDecorator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/Transaction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/NamingStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/MultiIdentifierLoadAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/NvlFunction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/SetterMethodImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/JpaTargetAndSourceDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/AliasedProjection.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/NamedNativeQueries.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/NonScalarResultColumnProcessor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/io/StreamCopier.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceMapImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/AbsFunction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuildingContext.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/TreeNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/ClassLoaderAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DerbyTenSixDialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/PersistentSet.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/NullSynchronizationException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/ClassTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/StandardForeignKeyExporter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/CalendarTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceIdBagImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/JoinedSubclassEntitySource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/MetamodelGraphWalker.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/StandardSQLFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/spi/StatisticsImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/spi/PermissibleAction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/MethodNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/cursor/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/ProcedureCall.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/AbstractSelectLockingStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/AbstractTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/spi/TransactionCoordinator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/Factory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/IntegralDataTypeHolder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/LiteralHandlingMode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jndi/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/SessionFactoryServiceContributor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/UnsupportedLockAttemptException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/spi/RootGraphImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/ArchiveHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/StandardScanner.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/CollectionFetchReturn.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/AbstractLoadPlanBasedEntityLoader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/ScalarReturnImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/SingularAttributePath.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ForeignKeyDirection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/TypeInfo.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Fetchable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/CriteriaUpdateImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/PhysicalNamingStrategyStandardImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jndi/JndiException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/Template.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/jndi/JndiHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceListImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/log/UrlMessageBundle.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/BootstrapContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/PrimitiveArray.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/ColumnAliasExtractor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/AbstractCompositionAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/CollectionType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/spi/StrategyRegistrationProviderList.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/CopyIdentifierComponentSecondPass.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/Teradata14IdentityColumnSupport.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/Environment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/internal/LazyServiceResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/package-info.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/ValueHolder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/ParameterInfoCollector.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/MappingException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/SyntheticProperty.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/SecondaryTableContainer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/Configurable.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CharacterArrayNClobType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/compare/CalendarComparator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/internal/DialectFactoryImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/ResultRowProcessor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/DenormalizedTable.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/spi/TypeConfiguration.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/cte/AbstractCteValuesListBulkIdHandler.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQL5Dialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CollectionAttributeFetch.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/PersistentSortedSet.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/MultiTenantConnectionProviderInitiator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/SqlValueReference.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyFieldImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ManyToAny.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/CUBRIDDialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/JpaCompliance.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/LockModeTypeHelper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/RowSelection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/DelegatedExpressionImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ForUpdateFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/NonClassFileArchiveEntryHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/BytecodeProviderInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/internal/HydratedEntityRegistration.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/EntityPrinter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/UpdateTimestampGeneration.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/ResultColumnProcessor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SortType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/HqlSqlWalker.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/AggregateProjection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultPersistEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/SharedSessionBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/QueryKey.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/InFlightMetadataCollectorImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/DbTimestampType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/OrderedMapType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/NamedEntityGraphDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/CriteriaSpecification.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/QueryStatistics.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BagType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/Instantiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/converter/AttributeConverterSqlTypeDescriptorAdapter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/PaddedBatchingCollectionInitializerBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/Setter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostDeleteEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/SimpleCacheKeysFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/CollectionLoader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/NonContextualLobCreator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/PostInsertIdentityPersister.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/QueryStructure.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/MapsIdSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/UnmodifiableBatchBuilderInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/spi/SynchronizationRegistryImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/AbstractWork.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultFlushEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/SubstringFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/AbstractDelegatingSessionFactoryOptions.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/ComponentMetamodel.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/PrimaryKeyInformationImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/LiteralProcessor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/FlushEntityEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/StandardSequenceExporter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/ByteCodeHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/NamedParametersNotSupportedException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/MutableEntityEntryFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/SQLExceptionConverterFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/PrimaryKeyInformation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/DynamicMapComponentTuplizer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/CacheKeyImplementation.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionBuilderImplementor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/OffsetTimeJavaDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/TargetDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/CharacterArrayTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/LockModeEnumMap.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/InitCommand.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/AnnotationBinder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/MetadataBuilderImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/spi/SynchronizationRegistry.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/EntityBasedBasicAttribute.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/NamedParameterDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/ExtractionContext.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/QualifiedName.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/ScanResult.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/CreationTimestamp.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/PositionalParameterInformationImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/ResultSetMappingBinder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitIdentifierColumnNameSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/BytecodeEnhancementMetadata.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/PropertyContainer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/Exporter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/SqlTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/DiscriminatorMetadata.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/UrlInputStreamAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/PositionalParameterInformation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/spi/TransactionStatus.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/NamedParameterInformationImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/FetchTypeMarshalling.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/MetadataSourceType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/QueryTranslatorImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/VersionTypeSeedParameterSpecification.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/ParameterContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQL8Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/Session.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/FetchGraphLoadPlanBuildingStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/SQLFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/StatelessSession.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/ColumnSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/CriteriaQueryTupleTransformer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/AttributeAccessor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/NegatedPredicateWrapper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/QueryTranslatorImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/Node.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/criteria/EntityCriteriaInfoProvider.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/IdentifierHelperBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/NamedQueryDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ByteType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/spi/UnknownPersisterException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/TypeNames.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeMapKeyManyToManySourceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/PropertyHolderBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/PessimisticLockException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/EntityNamingSourceContributor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/UnknownProfileException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/SimpleProjection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/JoinedIterable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/NamedNativeQuery.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/SingletonIterator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Parameter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/PropertyAccessStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/NameSpaceTablesInformation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/AssociationKey.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/NoopOptimizer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/BasicEntityPropertyMapping.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/AbstractSelectExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/EntityReferenceInitializer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/LongNVarcharTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/UnsavedValueFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/IllegalIdentifierException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/MatchMode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/ReturningWork.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/AbstractTableBasedBulkIdHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/IdTableSupport.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/Statement.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FromElementFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/PropertyGeneration.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/CurrentDateFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/EntityReturnImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/EntityLoader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyBackRefImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CollectionKey.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/ExecuteUpdateResultCheckStyleConverter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/spi/CurrentTenantIdentifierResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/ClassmateContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/EntityEntryContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/Mapping.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/internal/PersistenceUnitInfoDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/InlineIdsInClauseUpdateHandlerImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/EntityCopyObserverFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/exec/InsertExecutor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/global/GlobalTemporaryTableBulkIdStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/BasicConnectionCreator.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/spi/DdlTransactionIsolator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/SessionStatisticsImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorLegacyImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/JDBCConnectionException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/List.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/PessimisticEntityLockException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/PaddedBatchingEntityLoader.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/EntityType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/PessimisticWriteSelectLockingStrategy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Type.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/PersistentAttributeTransformer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/internal/StandardSQLExceptionConverter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/Loggable.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/compile/CriteriaInterpretation.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/GroupByParser.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/XMLInfrastructureException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Sort.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/JdbcTimeTypeDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/BatchedTooManyRowsAffectedException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/FetchProfiles.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/WrappedClob.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataSourcesContributor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/ManagedFlushChecker.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/AbstractPluralAttributeSourceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/InlineIdsSubSelectValuesListDeleteHandlerImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/CriteriaDeleteImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CollectionReturnImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/MckoiCaseFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/SingleColumnType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/PooledOptimizer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/IdentifierGeneratorAggregator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionFactoryImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeKeySourceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/DetailedSemanticException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCommitUpdateEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/FlushModeTypeHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/QualifiedNameParser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/ColumnCollectionAliases.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/DelayedPostInsertIdentifier.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/AbstractNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/ClobImplementer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/ParameterBind.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/TableMetadata.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/EntityEntryExtraStateHolder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultEvictEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/profile/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/LimitHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/NativeQueryReturnBuilderFetchImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/SpecialOneToOneType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/BeanValidationEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/HibernateProxyHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/BatchingCollectionInitializer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/JPAIndexHolder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/internal/NativeQueryInterpreterStandardImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/ElementPropertyMapping.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/QueryParameterException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/LobHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/SynchronizationRegistryBasedSynchronizationStrategy.java  
a  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SchemaUpdateTask.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jmx/internal/JmxServiceInitiator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/Lockable.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/FilterHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/LoadPlanTreePrinter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/ScanParameters.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/AbstractRestrictableStatement.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/EvictVisitor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/Oracle12LimitHandler.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/factory/IdentifierGeneratorFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/SessionFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jndi/JndiNameException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/AdditionalJaxbMappingProducer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSequentialIndexSourceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/classloading/internal/TccLookupPrecedence.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/DefaultDeleteEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/DelayedDropRegistryNotAvailableImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/WrapperOptions.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/ScrollableResults.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/exec/JdbcConnectionAccessProvidedConnectionImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/BorlandEnterpriseServerJtaPlatform.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/Target.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/AttributeConverterDefinition.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/BidirectionalEntityReference.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/IdentifierSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/compile/CriteriaQueryTypeQueryAdapter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/spi/AttributeDefinition.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/spi/NativeQueryImplementor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/custom/NonScalarReturn.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/MapKeyEntityFromElement.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/InlineIdsOrClauseUpdateHandlerImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/usertype/Sized.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/EntityFetch.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/InExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/PostgreSQL93Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/FlushVisitor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/entity/UniqueEntityLoader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/boot/model/relational/QualifiedNameImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/usertype/EnhancedUserType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/SessionException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/unique/InformixUniqueDelegate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/jdbc/internal/ResourceRegistryStandardImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/SharedSessionCreationOptions.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/DoubleTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Generated.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/ExtendedSelfDirtyinessTracker.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/FilterJoinTables.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/EntityEntry.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jdbc/BatchFailedException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/procedure/ParameterStrategyException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/spi/AbstractParameterDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/pojo/bytebuddy/ByteBuddyProxyFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/AbstractStandardBasicType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/InstantJavaDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/QuerySecondPass.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/StandardAnsiSqlAggregationFunctions.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/internal/StandardScanOptions.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/Helper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/IdentifierGeneratorDefinitionBinder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/FileExporter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/transform/RootEntityResultTransformer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/exception/GenericJDBCException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/UUIDGenerationStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/RegionFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/SortComparator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/mapping/internal/ConstraintModeMarshalling.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/spi/AnyMappingDefinition.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/dialect/spi/DialectFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/DB297Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/result/internal/OutputsImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/internal/CompositionSingularSubAttributesHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/ReflectHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/UniqueKey.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/entity/EntityJoinWalker.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/AbstractDelegatingMetadataBuildingOptions.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/param/ExplicitParameterSpecification.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Comment.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/IndexedPluralAttributeSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/IdentifierSourceAggregatedCompositeImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/VarArgsSQLFunction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/PostgreSQL9Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Column.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/classic/ParserHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/IndividuallySchemaMigratorImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/Nullability.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/event/internal/EntityCopyObserverFactoryInitiator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/map/MapProxy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/NoCacheRegionFactoryAvailableException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/ParseErrorHandler.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/entity/AbstractEntityLoader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/LocalDateJavaDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/QueryTimeoutException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/LocalDateType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/MckoiDialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/AbstractCompositeFetch.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/internal/stax/LocalSchema.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/EnhancementContextWrapper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/internal/ManagedFlushCheckerLegacyJpaImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/boot/spi/IntegratorProvider.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/AttributeRole.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/SynchronizableQuery.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/pagination/LimitHandler.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/UnloadedField.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/AbstractTransactSQLIdentityColumnSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/lock/OptimisticForceIncrementLockingStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/BinaryTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/CollectionFunction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/config/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/ClearEvent.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/metamodel/internal/JpaMetaModelPopulationSetting.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/LocaleTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/SimpleSelect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/MySQLIdentityColumnSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/entity/EntityPersister.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/predicate/BooleanAssertionPredicate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/ParameterNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/JavaTypeDescriptorResolvable.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/IdentifierSourceSimpleImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/Service.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/compile/CriteriaCompiler.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/AbstractTupleElement.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/UpdateStatement.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/boot/internal/StandardJpaScanEnvironmentImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/ForeignKeyMetadata.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/MappingException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/JtaTransactionAdapterUserTransactionImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/TypeDefs.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/procedure/internal/ProcedureParameterImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/spi/ArchiveDescriptorFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/spi/NativeQueryTupleTransformer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/BatchLoadSizingStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/DynamicInsert.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/hbm/internal/LockModeConverter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/loader/plan/exec/process/spi/ScrollableResultSetProcessor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/exec/AbstractScriptSourceInput.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/FetchCharacteristicsPluralAttributeImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/reflection/internal/JPAXMLOverriddenAnnotationReader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/SerializableNClobProxy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/ImplicitJoinTableNameSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/AnyMetaDef.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/NaturalIdentifier.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/procedure/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/spi/ServiceException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/tracker/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/CalendarTimeType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/Ingres9IdentityColumnSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PostCollectionRecreateEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/Metadata.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/OffsetTimeType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/NaturalIdLoadAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/spi/SequenceInformationExtractor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/AssociationSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/entity/EntityTuplizerFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/AbstractAttributeKey.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/AbstractTransactSQLDialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/result/UpdateCountOutput.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/internal/bytobuddy/PassThroughInterceptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/bytecode/enhance/spi/interceptor/LazyAttributesMetadata.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/CharacterArrayType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/internal/AliasConstantsHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/ImplicitConstraintNameSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/SQLFunctionTemplate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/annotations/RowId.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/SaveOrUpdateEvent.java  
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jar/org/hibernate/loader/MultipleBagFetchException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/SelectExpressionImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jdbc/internal/JdbcIsolationDelegate.java  
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jar/org/hibernate/id/insert/AbstractReturningDelegate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/spi/LoadPlanBuildingContext.java  
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jar/org/hibernate/context/internal/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/AbstractJtaPlatform.java  
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jar/org/hibernate/engine/jndi/spi/IndiService.java  
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jar/org/hibernate/event/spi/PreInsertEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/spi/ResultSetReturn.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/spi/EnhancedGetterMethodImpl.java  
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jar/org/hibernate/type/descriptor/java/BlobTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/SingleLineSqlCommandExtractor.java  
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jar/org/hibernate/annotations/Cache.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/type/PrimitiveCharacterArrayNClobType.java  
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jar/org/hibernate/mapping/SingleTableSubclass.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/Type.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/StringTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/path/CollectionAttributeJoin.java  
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jar/org/hibernate/UnknownEntityTypeException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/spi/SynchronizationRegistry.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/NonUniqueObjectException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/DerbyConcatFunction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/PropertyData.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/SearchedCaseNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/collection/internal/PersistentList.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/EnhancementException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/internal/AliasResolutionContextImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/query/internal/SelectStatementBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/MaterializedClobType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/JoinType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/VarbinaryTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/type/ImageType.java  
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jar/org/hibernate/tool/schema/internal/AbstractSchemaValidator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/ListIndexExpression.java  
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jar/org/hibernate/internal/util/LockModeConverter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/internal/util/XmlHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/NullServiceException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/WrongClassException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/procedure/spi/CallableStatementSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/PropertyProjection.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/spi/ArchiveEntry.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/InlineIdsSubSelectValuesListBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/AggregatedSelectExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/Oracle12cGetGeneratedKeysDelegate.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Map.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/QueryBinder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/TimestampGenerators.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceManyToMany.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceOneToOne.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Cascade.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PostCollectionRemoveEvent.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/AbstractEntityReference.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/CamelCaseToUnderscoresNamingStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/loader/plan/build/internal/returns/package-info.java  
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jar/org/hibernate/type/descriptor/sql/LobTypeMappings.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/TemplateRenderer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/entity/AbstractEntityBasedAttribute.java  
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jar/org/hibernate/annotations/Proxy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/HANARowStoreDialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/xml/UnsupportedOrmXsdVersionException.java  
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jar/org/hibernate/annotations/Tuplizers.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/dialect/ProgressDialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/SynchronizationRegistryAccess.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/GenerationTime.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/MapEntryNode.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/FilterJoinTable.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/internal/NullSynchronizationException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/dialect/internal/DialectResolverInitiator.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/internal/ClassDescriptorImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/BitronixJtaPlatform.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/env/internal/NormalizingIdentifierHelperImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/selector/internal/DefaultJtaPlatformSelector.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/procedure/ParameterBind.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/SerializableToBlobType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/spi/IntegrationException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/ValueGeneration.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/ANSIJoinFragment.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/AbstractAnyReference.java  
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jar/org/hibernate/sql/ordering/antlr/TranslationContext.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/InlineIdsSubSelectValueListBulkIdStrategy.java  
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jar/org/hibernate/internal/util/compare/ComparableComparator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/internal/QueryParameterImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/InlineIdsIdsOrClauseDeleteHandlerImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/process/internal/CollectionReturnReader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/criteria/ScalarCollectionCriteriaInfoProvider.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/AuxiliaryDatabaseObjectBinder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/ImportSqlCommandExtractorInitiator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/pagination/AbstractLimitHandler.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/InlineIdsSubSelectValuesListUpdateHandlerImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/TrueFalseType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/DefaultFlushEntityEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/JDataStoreIdentityColumnSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/ImplicitAnyDiscriminatorColumnNameSource.java  
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jar/org/hibernate/tuple/ValueGenerator.java  
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jar/org/hibernate/id/UUIDHexGenerator.java  
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jar/org/hibernate/jpa/internal/util/LockOptionsHelper.java  
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jar/org/hibernate/engine/query/spi/ReturnMetadata.java  
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jar/org/hibernate/query/internal/QueryImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/Query.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/UnaryOperatorExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/annotations/ResultCheckStyle.java  
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jar/org/hibernate/cfg/EJB3NamingStrategy.java  
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jar/org/hibernate/cfg/ImprovedNamingStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/InFlightMetadataCollector.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/VarcharTypeDescriptor.java  
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jar/org/hibernate/hql/internal/ast/tree/LiteralNode.java  
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jar/org/hibernate/boot/model/source/internal/hbm/AbstractSingularAttributeSourceEmbeddedImpl.java  
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jar/org/hibernate/stat/CacheRegionStatistics.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/internal/JaccPreInsertEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/bytebuddy/EnhancerImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/BigDecimalTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/hbm/spi/ResultSetMappingBindingDefinition.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/ListJoinImplementor.java  
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jar/org/hibernate/jpa/spi/ParameterRegistration.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/batch/spi/BatchBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/lob/ReaderInputStream.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/SessionBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/spi/AbstractDataSourceBasedMultiTenantConnectionProviderImpl.java  
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jar/org/hibernate/tool/hbm2ddl/DatabaseExporter.java  
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jar/org/hibernate/tuple/component/CompositionBasedCompositionAttribute.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/classloading/internal/package-info.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/ImplicitCollectionTableNameSource.java  
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jar/org/hibernate/hql/internal/ast/exec/SimpleUpdateExecutor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/Versioning.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/AbstractLobCreator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeMapKeySourceEmbeddedImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/internal/PersisterFactoryImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/spi/ForeignKeyInformation.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/StringNVarcharType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/SchemaFilter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/BlobImplementer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/PropertiesSubqueryExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/IdentifierSourceAggregatedComposite.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/spi/DataSourceBasedMultiTenantConnectionProviderImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/TableOwner.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/ValueHandlerFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/SingularAttributeSource.java  
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jar/org/hibernate/internal/util/xml/Origin.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/FkSecondPass.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/criteria/CriteriaQueryTranslator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Property.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/SourceType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/MergeEvent.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/DefaultReplicateEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/internal/CategorizedStatistics.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/query/spi/NamedQueryRepository.java  
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jar/org/hibernate/secure/internal/DisabledJaccServiceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/BigIntegerType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/TransientPropertyValueException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/reflection/internal/XMLContext.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/CalendarType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/EntityNameResolver.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceManyToOne.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/spaces/CompositeQuerySpaceImpl.java  
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jar/org/hibernate/sql/ordering/antlr/OrderByFragmentRenderer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/AnyDiscriminatorSource.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/CollectionAttributeFetchImpl.java  
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jar/org/hibernate/annotations/Columns.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/UUIDCharType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/internal/FetchStrategyHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/AfterCompletionAction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/ast/SqlScriptParser.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/mapping/spi/AttributesContainer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/config/ConfigurationHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/collection/DynamicBatchingCollectionInitializerBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/HSQLCaseFragment.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/transform/PassThroughResultTransformer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/internal/LobCreatorBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/path/RootImpl.java  
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jar/org/hibernate/tuple/entity/BytecodeEnhancementMetadataPojoImpl.java  
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jar/org/hibernate/annotations/BatchSize.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/PluralAttributeSourceArray.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/internal/ProxyFactoryFactoryInitiator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/CriteriaSubqueryImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/ModelBinder.java  
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jar/org/hibernate/type/descriptor/java/CurrencyTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeMapKeySourceBasicImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/collection/CollectionJoinWalker.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/SchemaUpdateCommand.java  
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jar/org/hibernate/event/internal/DirtyCollectionSearchVisitor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/custom/EntityFetchReturn.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/IdentifierProperty.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/VerifyFetchProfileReferenceSecondPass.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/ordering/antlr/SortKey.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PostCollectionUpdateEvent.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/NamedProcedureCallDefinition.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/spi/ArchiveContext.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/engine/transaction/jta/platform/internal/WeblogicJtaPlatform.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PreDeleteEvent.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/procedure/internal/ProcedureCallImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/function/LowerFunction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/DiscriminatorType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/SQLServerDialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/internal/UserSuppliedConnectionProviderImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeElementSourceOneToManyImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/IdentifierCollection.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorOracleDatabaseImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/spi/SQLExceptionHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/entity/plan/DynamicBatchingEntityLoaderBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/internal/bytebuddy/ProxyFactoryFactoryImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/EntitySource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/ImplicitForeignKeyNameSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/GetGeneratedKeysDelegate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/internal/PropertyAccessStrategyEmbeddedImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/custom/Return.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/QueryParameter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/BagBinder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/AbstractAttribute.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/lock/PessimisticReadUpdateLockingStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/xml/FilteringXMLEventReader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/internal/PersisterFactoryInitiator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/type/descriptor/sql/BasicBinder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/QuerySelect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/AbstractSaveEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/SessionFactoryBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/EntityIdentifierNature.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/TimestampType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/procedure/internal/ProcedureParamBindings.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/ValueInclusion.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/spi/HibernateEntityManagerFactoryAware.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/LongType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/LoadPlan.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/AttributeSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/SchemaAutoTooling.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/JavaTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/CustomEntityDirtyinessStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/CollectionSecondPass.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/JtaTransactionAdapter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/SchemaMigrator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/spi/GrantedPermission.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/DependantValue.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/SimpleCaseNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/ZonedDateTimeType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/OverriddenMappingDefaults.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/SchemaValidator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/type/NTextType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/ClobTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/spi/ArchiveEntryHandler.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/spi/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/ExpressionImplementor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/spi/QueryPlanCache.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/OracleTypesHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/BinaryOperatorNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/QueryParameters.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/TargetType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/UnaryArithmeticOperation.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/relational/AuxiliaryDatabaseObject.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/internal/CharacterStreamImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeMapKeyManyToAnySourceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/custom/ScalarReturn.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/FetchSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/predicate/BooleanStaticAssertionPredicate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/NotFoundAction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/EmbeddableSourceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/EntityNotFoundDelegate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/EntityJoinFromElement.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/Incubating.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/enhanced/PooledLoOptimizer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/spi/ExpandingFetchSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/engine/spi/ManagedComposite.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/TimeTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/internal/EntityLoadQueryDetails.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorSAPDBDatabaseImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/AdaptedImmutableType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/env/spi/AnsiSqlKeywords.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/CollectionFetchableElement.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/entity/CascadeEntityLoader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/criteria/CriteriaLoader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/IdentifierEqExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/tracker/SortedFieldTracker.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/GenericGenerator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/bytebuddy/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/SimpleExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/jdbc/spi/JdbcSessionContext.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/InLogicOperatorNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/predicate/AbstractSimplePredicate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/collection/spi/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/spi/ConnectionObserver.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/spi/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/action/internal/CollectionRecreateAction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/CascadeType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/MariaDB106Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/event/internal/OnLockVisitor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/DynamicFilterParameterSpecification.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/OrderingSpecification.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/UnresolvableObjectException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/SynchronizationCallbackCoordinatorTracingImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/BulkOperationCleanupAction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/AbstractEntitySourceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuilderImplementor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitEntityNameSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/SQLStateType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/BufferedXMLeventReader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/QueryParameterBindingImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/InheritanceTypeMarshalling.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/EntityLoader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/IdentifiableTypeSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/ScanResultImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/internal/DialectResolverSet.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/PreprocessingParser.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/NullLiteralExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/CustomSql.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/ForeignKeyNullExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/BatchFetchQueue.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreUpdateEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/profile/FetchProfile.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/internal/EntityIdentifierDefinitionHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/spi/PhysicalConnectionHandlingMode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/ILikeExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeElementSourceBasicImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/JoinImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jdbc/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/procedure/ProcedureParameterBinding.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/HibernateQuery.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/HibernateIterator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/CollectionCacheEntry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/NonIdentifierAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/ToListResultTransformer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/CacheEntry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/InitializeCollectionEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SQLDelete.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/XmlMappingBinderAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/Identifier.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/BatchFetchStyle.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/DoubleType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/QueryHintDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/AbstractEntityPersister.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/TruthValue.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaManagementToolCoordinator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/ResultTransformer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQL92Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/WrappedMaterializedBlobType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/Join.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/NativeQueryReturnBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/none/BytecodeProviderImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/LocaleType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/TokenPrinters.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/EntityReferenceAliasesImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/MetaAttributable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/AbstractLoadPlanBuildingAssociationVisitationStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/internal/EntityReturnReader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/MaterializedBlobType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/PersistentMap.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/ClassFileArchiveEntryHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/HibernateEntityManagerFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/internal/EntityManagerFactoryBuilderImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DB2Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyEnhancedImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CollectionReturn.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/Configurable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/internal/PersisterClassResolverInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/CollationSpecification.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SourceType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/JdbcConnectionAccessConnectionProviderImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FromElementType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/SessionFactoryBuilderService.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/RDMSOS2200Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SQLServer2005Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/MutableEntityEntry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/SimpleNaturalIdLoadAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/CollectionIndexDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/ColumnEntityAliases.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/EntityReference.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/TupleBuilderTransformer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/BatchingEntityLoaderBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/internal/JTASessionContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/internal/JdbcEnvironmentInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/FilterDefs.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/AbstractScriptTargetOutput.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/SelectExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/internal/JdbcEnvironmentImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/criteria/CriteriaInfoProvider.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/HibernateException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/JdbcDateTypeDescriptor.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/JoinedSubclass.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CollectionQuerySpace.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/ServiceRegistryAwareService.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BooleanType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitUniqueKeyNameSource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/IntegerType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/CollectionAction.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Disjunction.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/OracleDialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/NamedQueryDefinitionBuilder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ComponentType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/LongVarbinaryTypeDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyNoopImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/TenantIdentifierMismatchException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/OptimisticLockingStrategy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/internal/SQLStateConversionDelegate.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/ConnectionObserverStatsBridge.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/ColumnAttributeSourceImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryConstructorReturn.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/AbstractFieldSerialForm.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/FormulaImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/EntityTypeExpression.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/BufferedXMLEventReader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/LogicalConnection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/BetweenExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/IdGeneratorResolverSecondPass.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/RelationalValueSourceHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/ReplicateEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/NullTypeBindableParameterRegistration.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/spi/AliasResolutionContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/IncrementGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/spi/BeforeTransactionCompletionProcess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/NoArgSQLFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/StaleObjectStateException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitBasicColumnNameSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/IntegerTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/JdbcEnvironment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/ImmutableEntityEntryFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/IsNullLogicOperatorNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Loader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/OneToOneType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/JtaTransactionCoordinatorBuilderImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/persistent/PersistentTableBulkIdStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Example.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/BytecodeInterceptorLogging.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/EJB3DTDEntityResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/ColumnHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/ToOne.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/SessionFactoryServiceInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/JoinColumnOrFormula.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/InvalidatableWrapper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/internal/StandardAnyTypeDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/SharedBatchBuildingCode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostInsertEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/JdbcMetadaAccessStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/Attribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/TextType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/TableInformationContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQL57Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/ExceptionHandlerCollectingImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/internal/StandardDialectResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/FetchStats.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/TypeDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/PackageInfoArchiveEntryHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/TinyIntTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/JOnASJtaPlatform.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/cursor/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/HbmMetadataSourceProcessorImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/JoinFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryScalarReturn.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/ConfigurationHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/CompositionDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/NaturalIdCache.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/log/ConnectionPoolingLogger.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/AnnotationValueGeneration.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitDiscriminatorColumnNameSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CompositeAttributeFetchImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/UnionSubclass.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceManyToAny.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/OrderByFragmentParser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/CollectionDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/internal/JaxbCfgProcessor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/DelayedDropAction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/StoredProcedureQueryParameterRegistration.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/CharIndexFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/JdbcSessionContextImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCollectionRemoveEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/ConnectionObserverAdapter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/SchemaExtractionException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryReturn.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SubclassEntitySourceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Bag.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/ZonedDateTimeComparator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/ServiceInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CharacterArrayClobType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/SingularAttributeJoin.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/FlushMode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/Configuration.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ExternalSessionFactoryConfig.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/PropertyExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/spi/LazyInitializable.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessEnhancedImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/AbstractBatchImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/CollectionInitializer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/PropertyAccessStrategyResolver.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/AggregationFunction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MariaDB53Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/HANAIdentityColumnSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SecondaryTableSourceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/spi/JtaPlatform.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/OrderByFragment.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/CustomLoader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/ResinJtaPlatform.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/RowCountProjection.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/spi/AfterTransactionCompletionProcess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/ParameterRecognitionException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/internal/EventListenerRegistryImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryNonScalarReturn.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/NoopEntryHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/QuerySpaceUidNotRegisteredException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/GeneratorType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/LoggableUserType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/converter/AttributeConverterMutabilityPlanImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/FetchProfile.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/CastFunctionNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/internal/JaccPreDeleteEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/HibernatePersistenceProvider.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/PropertyAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/KeyValue.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BlobType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ShortType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/Cloneable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityUpdateAction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/JarProtocolArchiveDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/GroupsPerOperation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQLInnoDBDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/StandardOptimizerDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/GenerationTargetToDatabase.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/ASTUtil.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/AbstractBatchingEntityLoaderBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/AbstractType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/enhance/EnhancingClassTransformerImpl.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/ValueBinder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BasicTypeRegistry.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/EmbeddedAttributeMapping.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/CompoundPredicate.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/TypeMismatchException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/SelectParser.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/internal/ParsedPersistenceXmlDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/QueryStatisticsImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/OrderByAliasResolver.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/LazyGroup.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/DefaultCacheKeysFactory.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Filterable.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/internal/ConfigLoader.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/AuxiliaryDatabaseObject.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/map/SerializableMapProxy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/ToolingHint.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/factory/spi/MutableIdentifierGeneratorFactory.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/TimeStampTypeDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/ConnectionCreatorFactoryImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/plan/AbstractLoadPlanBasedCollectionInitializer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/AbstractArchiveDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/DefaultSchemaFilterProvider.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/SchemaManagementToolInitiator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/EmptyExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Selectable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/spi/AfterLoadAction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/LiteralExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/classic/Lifecycle.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SingularAttributeSourceBasicImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FromElement.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/TypeContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/NativeQuery.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/OracleJoinFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionOwner.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/QueryException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/ExpressionImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/AbstractNullnessCheckNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/Settings.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/internal/StandardPersisterClassResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/CollectionTracker.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/EventEngine.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/EntityManagerMessageLogger.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/ExecutableList.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeMapKeyManyToAnySource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/LazyIndexedMap.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/EventEngineContributions.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/IdentifierGeneratorStrategyProvider.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessFieldImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/SessionEventListenerManagerImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/AbstractSharedSessionContract.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/NonUniqueDiscoveredSqlAliasException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/FieldAccessEnhancer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/SubEntityInfo.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/spi/JtaPlatformResolver.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Oracle12cDialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CascadeStyles.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/FlushEvent.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/FunctionExpression.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/EnumType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/EntityKey.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/InheritanceType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/ResultSetOutput.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionFactoryDelegatingImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryJoinReturn.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/spi/EventListenerRegistry.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Filter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/SetType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/persistent/PreparationContextImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/AbstractEntityEntry.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/Expectation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/internal/UpdateCountOutputImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/HqlParser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Ingres10Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/SchemaNameResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultRefreshEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/FirstLimitHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/DDLFormatterImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorTimesTenDatabaseImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/PersistentClassVisitor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/DefaultComponentSafeNamingStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/MutableJpaComplianceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityActionVetoException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/SchemaNameResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/DeleteStatement.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/BasicCollectionLoadQueryDetails.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/internal/AbstractLogicalConnectionImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/PropertyAccessSerializationException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/BasicQueryContract.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreLoadEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/FetchReturn.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FkRefNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/TrimFunctionTemplate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/Select.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/FloatTypeDescriptor.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/TargetTypeHelper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/BatchingLoadQueryDetailsFactory.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/PostgreSQL81IdentityColumnSupport.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/spi/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/ImplicitColumnNamingSecondPass.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/LongStreamDecorator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/DiscriminatorTypeMarshalling.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/TempTableDdlTransactionHandling.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/ColumnReference.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/CacheConcurrencyStrategy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/MapKeyColumnDelegator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCollectionUpdateEventListener.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/spi/TypeContributorList.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptTargetOutputToFile.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/XmlElementMetadata.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/AvailableSettings.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaManagementException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/HqlToken.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/NClobTypeDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ObjectNameNormalizer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/UniqueConstraintHolder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/BatchBuilderInitiator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/OrionJtaPlatform.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/BlobProxy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/internal/JpaStaticMetaModelPopulationSetting.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CharacterType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/internal/ParameterBindImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/none/DisallowedProxyFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/TruthValue.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/OuterJoinLoadable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/HibernateError.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/SQLExceptionConverter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/internal/StandardServiceRegistryImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/CallbackException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/AbstractSessionImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/UnknownSqlResultSetMappingException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/ast/SqlScriptLogging.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/Tuplizer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/PluralAttributeInfoIdBagAdapter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/global/IdTableInfoImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/FlushEntityEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/ClassTransformer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/ScalarResultColumnProcessor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/JoinSequence.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/JdbcObserverImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/AbstractLoadPlanBasedLoader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/spi/XmlSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/ManagedType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/ColumnSourceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/Query.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/AttributeSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/SharedSessionContract.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/EntityIdentifierDescription.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/compile/CompilableCriteria.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/Exporter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/EntityLoaderLazyCollection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Immutable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/JdbcTypeFamilyInformation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Projections.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/SecondPass.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/FileInputStreamAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/AccessType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/MarkerObject.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/IdTableHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreCollectionUpdateEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/AnyMappingSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/StructuredCollectionCacheEntry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/CaseFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/unique/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/NonEncapsulatedEntityIdentifierDescription.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ImprovedExtractionContextImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/OptimisticLockStyle.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/CacheAccessTypeConverter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/internal/jta/JtaStatusHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/CurrentTimestampFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultSaveEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/CollectionProperties.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/CoalesceExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/JoinedSubclassEntityPersister.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/TypeHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/Alias.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/TableBasedUpdateHandlerImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/DatasourceConnectionProviderImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/PersistentAttributeInterceptable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCollectionRecreateEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/QueryParameterBindingValidator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/GeneratedValueGeneration.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/JpaOrmXmlEventReader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/FromParser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/PrimitiveArrayBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/ResultSetReturnImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/EntityAliases.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Restrictions.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/BatchingEntityLoader.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/AnyAttributeFetch.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/Manageable.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/RestrictableStatement.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/TypeLocatorImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/hint/IndexQueryHintHandler.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/spi/ParameterStrategy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessMapImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/EntityTuplizer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/StaticPrecisionFspTimestampFunction.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SizeSourceImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/ContextualLobCreator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/Configurable.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/NamedParameterInformationImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/JpaCallbackSource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/NamedParameterInformation.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/EntityModeConverter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/IdentifierGeneratorDefinition.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/internal/SQLStateConverter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/MergeEventListener.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/StandardServiceRegistry.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/LocalTimeType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/BaseXMLEventReader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/SimpleEntityIdentifierDescriptionImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuildingOptions.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/PositionSubstringFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/H2Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/FloatType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/factory/internal/DefaultIdentifierGeneratorFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/BeanValidationIntegrator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceAny.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/OnDeleteAction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Synchronize.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/GUIDGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/DynamicMapEntityTuplizer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeKeySource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/SelectGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/BootstrapContextImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/InformixDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/IndexColumn.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/InputStreamXmlSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/InlineIdsInClauseBulkIdStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/FormatStyle.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/spi/CurrentSessionContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Conjunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/UnstructuredCacheEntry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/procedure/spi/ProcedureParameterBindingImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/AggregateNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/FilterAliasGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/Action.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/SerializableClobProxy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CollectionFetchableIndex.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/DefaultCustomEntityDirtyinessStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/OC4JPlatform.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/PojoEntityTuplizer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/MaterializedNClobType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/insert/Binder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/AbstractJoinImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/AssociationType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ProcedureParameterNamedBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/NonUniqueResultException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Distinct.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/internal/JaccSecurityListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitPrimaryKeyJoinColumnNameSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/AliasToEntityMapResultTransformer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ToOneFkSecondPass.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/QueryProducer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/ResourceRegistry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/TypeContributor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/DelayedDropRegistry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceToOne.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingQuerySpace.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/ServiceProxyGenerationException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/CollectionPropertyNames.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/InstantType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/ColumnsAndFormulasSourceContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/SQLServer2005LimitHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/config/spi/ConfigurationService.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/FetchMode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ComponentPropertyHolder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/CompositeCollectionElementDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/ASTPrinter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/Optimizer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessEmbeddedImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/MemberOfPredicate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/SortSpecification.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/DisabledScanner.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/ComponentTuplizerFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/EnumJavaTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/DirtyCheckEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/BinaryStream.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/QuerySplitter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/BasicSQLExceptionConverter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/internal/StandardCallableStatementSupport.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/DriverConnectionCreator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/MetadataBuildingContextRootImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/process/spi/ManagedResources.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/AbstractOptimizer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/QuerySpace.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Oracle9iDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/ExecuteUpdateResultCheckStyle.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/ImpliedFromElement.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/SequenceStyleGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreCollectionRecreateEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/SqlTypeDescriptorRegistry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/SetSimpleValueTypeSecondPass.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/NativeQueryInterpreter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/DriverManagerConnectionCreator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/NonDurableConnectionObserver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/QueryExecutionRequestException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultResolveNaturalIdEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQLStorageEngine.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/EnumTypeMarshalling.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/ImmutableEntityUpdateQueryHandlingMode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Collection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/AutoFlushEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/PathSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/InputStreamAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/ScriptExporter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCommitDeleteEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/reflection/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/OptimisticLockType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/tracker/SimpleFieldTracker.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/LazyCollection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitNamingStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/query/internal/QueryBuildingParametersImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/InstrumentedClassLoader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/SequenceHiLoGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Set.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/NoMoreReturnsException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SQLDeleteAll.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/internal/QualifiedObjectNameFormatterStandardImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/internal/BootstrapServiceRegistryImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/TreePrinterHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/StandardEntityNotFoundDelegate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/Joinable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/OffsetDateTimeJavaDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/AbstractLazyInitializer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityVerifyVersionProcess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/TopLimitHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/package-info.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ConnectionReleaseMode.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/AbstractSerializableProxy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Cache71Dialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/AbstractEntityTuplizer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/LocalDateTimeJavaDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MariaDB103Dialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/QueryHints.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/internal/JaccPreLoadEventListener.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/FileXmlSource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/AnyKeySource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/Filter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PointbaseDialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/SelectLockingStrategy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/NotFound.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableElementCompositeGraph.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/SourceType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Projection.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/RelationalModel.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/CacheModeConverter.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/FormulaReference.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/AbstractHANADialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/internal/Util.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/DB2390IdentityColumnSupport.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/Getter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/IdentitySet.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceBasic.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/TypeContributions.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/NullnessPredicate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/NamedQueryCollectionInitializer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/PojoEntityInstantiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/AbstractDelegatingMetadata.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Source.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/NaturalIdUniqueKeyBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/FetchMode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/RegisteredSynchronization.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/EntityReturn.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/CascadeStyleSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/PessimisticNumberParser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/InvalidWithClauseException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/PrimitiveCharacterArrayClobType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/LegacyBatchingCollectionInitializerBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/ViolatedConstraintNameExtractor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/CriteriaQueryImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CompositeCustomType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/ArrayMutabilityPlan.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/AnsiTrimEmulationFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CascadeStyle.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/CountNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/ShortTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/ContextProvidingValidationEventHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Persister.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/MultiTableBulkIdStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/LazyInitializationException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/JaxpSourceXmlSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/AbstractLoadQueryDetails.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/FilterSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/PackageDescriptorImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/Cascade.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/SubqueryComparisonModifierExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/spi/TypeBootstrapContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/ResolveNaturalIdEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/AbstractMultiTableBulkIdStrategyImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/IdGeneratorInterpreterImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/EntityNamingSourceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuilderContributor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/InlineIdsInClauseBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/DdlTransactionIsolatorProvidedConnectionImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ForeignKey.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptTargetOutputToWriter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/procedure/spi/ProcedureParameterImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/AbstractInlineIdsDeleteHandlerImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/ForeignKeyInformationImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CollectionReference.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Any.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/PropertyAccessException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/NativeQueryImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/UrlXmlSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/beans/BeanInfoHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/CollectionQuerySpaceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SizeSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/EntityBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/spi/BatchKey.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/AbstractCollectionEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/TypeDef.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/Startable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FunctionNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/RelationalValueSourceContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/MapKeyHelpers.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/CloseableIterator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/InFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/GroupedSchemaValidatorImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuilderFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/OptimizerFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQLDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/DerbyCaseFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/TableSpecificationSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/enhance/EnhancementTask.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/EmptyScrollableResults.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQL5InnoDBDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/ProcedureOutputs.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/AccessCallback.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/DetachedCriteria.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SchemaUpdate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/DisjunctionFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/internal/CfgXmlAccessServiceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/type/PrimitiveWrapperHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/factory/internal/MutableIdentifierGeneratorFactoryInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/MapKeyType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/InnoDBStorageEngine.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/loading/internal/LoadContexts.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/FlushModeConverter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/WorkExecutor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/ConstructorResultColumnProcessor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/spi/JoinStatus.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/OneToOneSecondPass.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/QueryParameterListBindingImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreDeleteEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CacheInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/ComponentJoin.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/DatabaseInformation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/HibernateEntityManager.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/DTDEntityResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/EntityQuerySpaceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/EntityStatisticsImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/BaselineAttributeInformation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/ConfigParameterHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/UnaryArithmeticNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/CalendarDateTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/log/UnsupportedLogger.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MyISAMStorageEngine.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/LockEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/JdbcDataType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ClassPropertyHolder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableIndexCompositeGraph.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/NaturalIdCacheKey.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/NaturalId.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Join.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/VersionType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/AbstractBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/CharacterStream.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/EntityEntryFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/MapEntryExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/AliasToBeanConstructorResultTransformer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/JdbcServicesImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/LocalDateTimeType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/CollectionId.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/TransactionManagerAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/ResultSetMappingDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/StandardServiceRegistryBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/SessionFactoryServiceRegistryFactoryImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/process/spi/MetadataBuildingProcess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/InvalidPathException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/ValidationMode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/LoadQueryInfluencers.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/TableStructure.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/NamingHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeMapKeySourceEmbedded.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/LazyCollectionOption.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ScrollMode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitIndexNameSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/CoreLogging.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SybaseASE15Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/BootstrapServiceRegistryBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/SelectFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/ConstructorReturn.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/ServiceContributor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/MappedSuperclass.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/StrategyCreatorRegionFactoryImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/ArrayHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/AbstractMapComponentNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/SessionFactoryBuilderImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Entity.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/cte/CteValuesListDeleteHandlerImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/PropertySubqueryExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyResolverStandardImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/PathTypeExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/IdGenerator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/HiLoOptimizer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/AbstractReturningWork.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SourceDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/integrator/spi/ServiceContributingIntegrator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaFilterProvider.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/SelectionImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/UserCollectionType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/NamingStrategyHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/CollectionSubqueryFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SubselectFetch.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostLoadEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/SqlASTFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/Loadable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/NotInstrumentedException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/AbstractDelegatingSessionBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/spi/TransactionObserver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/ParameterRegistration.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/AliasToBeanResultTransformer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/QualifiedTableName.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/AbstractEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/InstantiationException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/FetchableAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/EntityHierarchySource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/OrderByTranslation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/spi/StatementInspector.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/CustomizableColumns.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/UnknownServiceException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/PropertyPath.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/QuerySpaceTreePrinter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptTargetOutputToStdout.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/internal/ResultSetProcessorHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorHSQLDBDatabaseImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/SchemaAware.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/CollectionFilterKeyParameterSpecification.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Teradata14Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/ByteArrayTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/ScriptTargetOutput.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/IteratorImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/GetterFieldImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/NullPrecedence.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultMergeEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/ExecutionOptions.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/EvictEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/SetterFieldImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/spi/ResultContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Fetch.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/PersistentIdentifierBag.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Junction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/LegacyBatchingEntityLoaderBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/IdentifierGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/UpperFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/EntityDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jmx/internal/DisabledJmxServiceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/AbstractPredicateImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/PostgresUUIDType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/ClassDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ObjectType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/UserVersionType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/AttributeSourceContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DerbyDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/UrlTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/AbstractReassociateEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/QueuedOperationCollectionAction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/RelationalValueSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/Fetch.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/TypeSafeActivator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/cte/CteValuesListBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/config/internal/ConfigurationServiceInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/IndexInformation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/BytecodeProvider.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/converter/AttributeConverterTypeAdapter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/DateTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/FetchProfile.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/UnsupportedOrmXsdVersionException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/SessionFactoryObserver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/SequenceStructure.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/PessimisticReadSelectLockingStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/PersistenceUnitUtilImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitMapKeyColumnNameSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/spi/EventActionWithParameter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/SessionCreationOptions.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Subqueries.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/CacheEntityLoaderHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/InPredicate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SchemaValidatorTask.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ClassType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/FetchProfileBinder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/ExtractedDatabaseMetaData.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/CascadeEntityJoinWalker.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreUpdateEvent.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostInsertEvent.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/Collections.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BigDecimalType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/TypedValue.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/LocalXmlResourceResolver.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/CompositeUserType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jdbc/internal/JdbcResourceLocalTransactionCoordinatorImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/JaccPermissionDefinition.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/AbstractComponentTuplizer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/CollectionReturn.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/PluralAttributeInfo.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/LockingStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultPersistOnFlushEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/StringType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/ParameterizedFunctionExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/SerializationException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/JBossStandAloneJtaPlatform.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/IdentifierSourceNonAggregatedCompositeImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/StatefulPersistenceContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/LockEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/QueryableCollection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeElementSourceManyToAnyImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/TransactionException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/NaturalIdXrefDelegate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/ParameterModeMarshalling.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/Wrapped.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaValidator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Sybase11Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/PropertyAccessBuildingException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/JtaTransactionAdapterTransactionManagerImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/BinaryOperatorExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/WrappedInferredData.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/CharTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/IdentNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/spi/AbstractCurrentSessionContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/IntegrationException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryCollectionReturn.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/loading/internal/EntityLoadContext.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/local/IdTableInfoImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/CacheModeType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/SessionFactoryServiceRegistryFactory.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/NCharTypeDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/EntityCopyAllowedObserver.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/FetchingScrollableResultsImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitTenantIdColumnNameSource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/IdentifierBagType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/OrderBy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/internal/DefaultSchemaNameResolver.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DB2390V8Dialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SingularAttributeSourceManyToOneImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/JoinWalker.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/ScrollableResultsImplementor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/BindingTypeHelper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceBagImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CharacterNCharType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/ExpectedTypeAwareNode.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/NonBatchingBatch.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/BasicAttributeColumnsAndFormulasSource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/UpdateLockingStrategy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/AbstractPropertyHolder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/AbstractDelegatingSessionBuilderImplementor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/exec/MultiTableUpdateExecutor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/plan/BatchingCollectionInitializer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/log/ConnectionAccessLogger.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/H2IdentityColumnSupport.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/PrimitiveType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/StrategyRegistration.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/BetweenPredicate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CharArrayType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/RootHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourcePrimitiveArrayImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/CacheModeHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/compile/ExplicitParameterInfo.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/BatchBuilderImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/AbstractEntityGraphVisitationStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultLoadEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/PessimisticForceIncrementLockingStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/LongVarcharTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/internal/AttributeFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/WhereParser.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/BasicFormatterImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/StandardJtaPlatformResolver.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/NamedQueries.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/BooleanLiteralNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/TooManyRowsAffectedException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/StandardJDBCEscapeFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/SQLServer2012LimitHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/CockroachDB1920IdentityColumnSupport.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitNamingStrategyLegacyJpaImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/FilterDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/HSQLDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/AbstractCollectionReference.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CustomCollectionType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/ClobTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/SchemaToolingLogging.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/SmallIntTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/local/LocalTemporaryTableBulkIdStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyResolverInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/Transformers.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/SessionFactoryRegistry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/access/AccessType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CompositeAttributeFetch.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/ToolingHintContextContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/ASTQueryTranslatorFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionDelegatorBaseImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/PersistentBag.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/EntityBasedAssociationAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/CacheException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/ScanEnvironment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/InheritanceState.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/ImplicitResultSetMappingDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementNature.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CascadingAction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/CollectionStatistics.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Polymorphism.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/internal/PostCommitEventListenerGroupImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/Scanner.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/PrimaryKey.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/SizeExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/persistent/DeleteHandlerImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/QueryParameterBindings.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/DuplicateMappingException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/HbmEventReader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionEventListenerManager.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/OrderByParser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metadata/ClassMetadata.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/StatisticsImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/DynamicMapInstantiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/JDBCException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/SqrtFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/ValueExtractor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Oracle8iDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitJoinColumnNameSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/DiscriminatorSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/NonNullableTransientDependencies.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/UUIDTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/ASTAppender.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/RecoverableException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/MappingBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/StringHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/DuplicationStrategyImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/TableInformation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/spi/JavaTypeDescriptorRegistry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/IdentifierSourceSimple.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/spi/HydratedCompoundValueHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/spi/Binder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/ProvidedService.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/spi/StrategySelectionException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/Node.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/Cache.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/FromImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/EntityCopyNotAllowedObserver.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SharedSessionContractImplementor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SchemaExport.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/beans/BeanIntrospectionException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ParamDef.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/ReflectionOptimizerImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuilderInitializer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQL91Dialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SuppliedConnectionProviderConnectionHelper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/Cache71IdentityColumnSupport.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Ingres9Dialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/MappingNotFoundException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/SelectionImplementor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/PojoComponentTuplizer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/cte/CteValuesListUpdateHandlerImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/SessionStatistics.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorInformixDatabaseImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/EventUtil.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/DialectResolutionInfo.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/ParameterTranslations.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/SessionFactoryServiceRegistryFactoryInitiator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/IsEmptyPredicate.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/TimesTenDialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/DurationType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/ForeignGenerator.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/BooleanTypeDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/CacheMode.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/LikeExpression.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CustomType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/NClobImplementer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/BasicTypeRegistration.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/WebSphereLibertyJtaPlatform.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceSetImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SubclassEntitySource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostUpdateEventListener.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/LazyFetchGroupMetadata.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/JarFileEntryUrlAdjuster.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/VersionAttributeSourceImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/NoCachingRegionFactory.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/CharacterTypeDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/Exportable.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/TypeDef.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/SessionFactoryServiceRegistry.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ResourceClosedException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/LobCreationContext.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/VersionProperty.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/SQLFunctionRegistry.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/GenerationTiming.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/CollectionAttribute.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/IndexOrUniqueKeySecondPass.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/SybaseASE157LimitHandler.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/CollectionElementLoader.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/internal/StandardJaccServiceImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/ZonedDateTimeJavaDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/SubqueryExpression.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/ArrayBinder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/cursor/internal/StandardRefCursorSupport.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/QueryImplementor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/ConnectionProviderInitiator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingCollectionQuerySpace.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/BasicFunctionExpression.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/ExtractionContextImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/SunOneJtaPlatform.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/DerivedValueSource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/UnsavedValueStrategy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultSaveOrUpdateEventListener.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/BasicProxyFactoryImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/ExplodedArchiveDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingQuerySpaces.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/ResultSetWrapper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/EntityQuerySpace.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/GetterMethodImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/internal/DialectFactoryInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/UnaryLogicOperatorNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/AbstractEntityInsertAction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/ByteBuddyState.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/CollectionPropertyReference.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SQLServer2016Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/ConversionContext.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/Work.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/PaddedBatchingEntityLoaderBuilder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SelectBeforeUpdate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/ASTParentsFirstIterator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/AliasGenerator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/TimeZoneType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/ClassLoadingStrategyHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/internal/JaccPreUpdateEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/hql/QueryLoader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/PersistenceUtilHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/ContextualJdbcConnectionAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/ForeignKeyProjection.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/ImmutableMutabilityPlan.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/SynchronizationCallbackTarget.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/WrapperBinaryType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Formula.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/OrderedSetType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/NVarcharTypeDescriptor.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/LocalSchemaLocator.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/SimpleStrategyRegistrationImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/RefreshEvent.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/AbstractVisitor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/AbstractScannerImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/PropertySetterAccessException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/BytecodeProviderImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/BasicProxyFactory.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/IndexMetadata.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/spi/MappingReference.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/InformationExtractor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/LikePredicate.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/ExceptionHandlerHaltImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/BytecodeEnhancementMetadataNonPojoImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/ProxyVisitor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/ParameterMisuseException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/ResultSetIdentifierConsumer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CalendarDateType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/JdbcWrapper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/UniqueKeyLoadable.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ManyToOneType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/SqlFragment.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceArrayImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/spi/EventListenerGroup.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/EntityOrMappedSuperclass.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/FilterTranslator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/JoinProcessor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/tracker/NoopCollectionTracker.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/IndexInformationImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/OptimisticEntityLockException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/AbstractInformationExtractorImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/CompositeNestedGeneratedValueGenerator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/ExceptionMapperStandardImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/MappingFileDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CurrencyType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/InjectService.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SybaseASE157Dialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/ResultColumnReferenceStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/InvalidGraphException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/compile/InterpretedParameterMetadata.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/AbstractCompositeReference.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/AvgWithArgumentCastFunction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/Interceptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/AssociationKey.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/CollectionPropertyHolder.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryRootReturn.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/profile/Fetch.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/ParameterBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitNamingStrategyJpaCompliantImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/spi/SqlTypeDescriptorRegistry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/criteria/ComponentCollectionCriteriaInfoProvider.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/EntityHierarchySourceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/DefaultSessionFactoryBuilderInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/InvalidMappingException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/spi/StrategyCreator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/DoubleStreamDecorator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ANSICaseFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/UrlType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/DiscriminatorOptions.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/CountProjection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SAPDBDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/AbstractSQLExceptionConversionDelegate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/spi/EntityReferenceAliases.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/GraphParser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/SessionImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/plan/CollectionLoader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/CacheJoinFragment.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Expression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/internal/LogicalConnectionManagedImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/SQL2008StandardLimitHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/config/internal/package-info.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/OneToManyLoader.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/IndividuallySchemaValidatorImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/MetadataBuilder.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ObjectDeletedException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/UnmodifiableBatchBuilderImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/ComparisonPredicate.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeMapKeySourceBasic.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/IngresDialect.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/PersistentAttributeInterceptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/annotations/AnnotationMetadataSourceProcessorImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Tables.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/PropertyPreloadedData.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/NaturalIdEntityJoinWalker.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/TableSource.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/DatabaseStructure.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableElementAnyGraph.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/StandardServiceInitiators.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/FilterKey.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/query/spi/QueryBuildingParameters.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/internal/EventListenerGroupImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/EnhancedProjection.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/AbstractUUIDGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/CascadeStyleLoadPlanBuildingAssociationVisitationStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceOneToMany.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/IdentifierCaseStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/CompositeIdentifierSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/SimpleValueTypeInfo.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/Queryable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptSourceInputFromFile.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/BasicAttributePropertySource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/BinaryArithmeticOperatorNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/SerializationHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/CacheEntryStructure.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/WhereJoinTable.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/JBossAppServerJtaPlatform.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/MapKeyNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/SequenceInformation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/CollectionElementDefinition.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/none/NoneBasicProxyFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostLoadEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/PositionalParameterSpecification.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/DurationJavaDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/BigIntegerTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/AbstractExpandingSourceQuerySpace.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/PojoInstantiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ObjectNotFoundException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/StandardBasicTypes.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/JoinHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/ParameterParser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/MultiLoadOptions.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/BasicLoader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/JoinFormula.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/compile/RenderingContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorNoOpImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/ForeignKey.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultPostLoadEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/CacheRegionStatisticsImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/CriteriaQuery.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/CompositeBasedBasicAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/RegionFactoryInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/DefaultEnhancementContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/unique/DefaultUniqueDelegate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ejb/HibernateEntityManagerFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/IllegalDereferenceException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/EntityHierarchyBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/Oracle12cIdentityColumnSupport.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/spi/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ListIndexBase.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Constraint.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/ProxyFactoryFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/LocalTimeJavaDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/SessionFactoryAwareNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/local/AfterUseAction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/FrontBaseDialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/BaseXMLEventReader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/SybaseAnywhereIdentityColumnSupport.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/spi/LoadedConfig.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/spi/ParameterRegistrationImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/DistinctResultTransformer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/internal/CacheSQLExceptionConversionDelegate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/BulkInsertionCapableIdentifierGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/InlineIdsInClauseDeleteHandlerImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CompositeType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/Enhancer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/StaticFilterAliasGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Parent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/spi/TransactionCoordinatorBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityIdentityInsertAction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/ClearEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/QueryParameterBindingsImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/spi/BatchObserver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/spi/LogicalConnectionImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/Statistics.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/MetadataSourceProcessor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SQLServer2012Dialect.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/AbstractExpandingFetchSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/spi/LockModeResolver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorMariaDBDatabaseImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/NativeQueryReturnBuilderRootImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptSourceInputAggregate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/BinaryLogicOperatorNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/LoadGraphLoadPlanBuildingStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/ErrorTracker.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/internal/ProcedureCallMementoImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/ResultSetProcessingContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/AbstractExplicitParameterSpecification.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/sql/NamedParamBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/exec/IdSubselectUpdateExecutor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/IdentifierValue.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SingularAttributeSourceAnyImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PersistEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/QueryParameterNamedImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/StandardSessionFactoryServiceInitiators.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/spi/TransactionCoordinatorOwner.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/onDelete.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/BasicCollectionPersister.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/EntityCopyObserver.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/FetchCharacteristicsSingularAssociation.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/EncapsulatedEntityIdentifierDescription.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/InlineDirtyCheckerEqualsHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/ASTIterator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/FetchStyleLoadPlanBuildingAssociationVisitationStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/UnknownUnwrapTypeException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/ScriptSourceInput.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/ImportScriptException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/FetchTiming.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/Parser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/internal/DefaultDialectSelector.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/cursor/internal/RefCursorSupportInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceEmbedded.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/ReaderInputStream.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/ExceptionHandler.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/spi/CfgXmlAccessService.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/SessionFactoryServiceRegistryImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/Return.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/VersionValue.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Nationalized.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingEntityQuerySpace.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/WrappedNClob.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/AbstractToOneAttributeSourceImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaDropper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/ProxyConfiguration.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceNameExtractorImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Filters.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/classloading/spi/ClassLoadingException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreCollectionRemoveEvent.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/IdClassSource.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/QueryParameterListBinding.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/SchemaCreatorImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQuerySpecification.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/AbstractPersistentCollection.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/internal/StrategySelectorBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/ExistsSubqueryExpression.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/TableBinder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/MetaValue.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/IdentityGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/ProxyFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/NameQualifierSupport.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/ConditionalParenthesisFunction.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/unique/MySQLUniqueDelegate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessMixedImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/persistent/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/DirtyCheckEventListener.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/internal/CallbackRegistryImplementor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ColumnTransformer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/TupleElementImplementor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/FlushModeType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitAnyKeyNameSource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/AttributeMapping.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/AssociationAttributeDefinition.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/JoinHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/JdbcTypeJavaClassMappings.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/PooledLoThreadLocalOptimizer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/UnloadedTypeDescription.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/ForeignKeyExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/config/spi/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Backref.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/tracker/SimpleCollectionTracker.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/EntityStatistics.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/BasicTransformerAdapter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/DateType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/MetaType.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/SapNetWeaverJtaPlatform.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/JarInputStreamBasedArchiveDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/TwoPhaseLoad.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/engine/jdbc/package-info.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/loader/plan/exec/spi/CollectionReferenceAliases.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/hql/internal/ast/tree/DisplayableNode.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/hql/internal/ast/exec/StatementExecutor.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/engine/jdbc/dialect/internal/package-info.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/type/spi/TypeConfigurationAware.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/event/internal/DefaultDirtyCheckEventListener.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorDerbyDatabaseImpl.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/boot/model/source/spi/VersionAttributeSource.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/type/EmbeddedComponentType.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/bytecode/enhance/internal/bytebuddy/CodeTemplates.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/IdentifierLoadAccess.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/cfg/Ejb3DiscriminatorColumn.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/SynchronizationCallbackCoordinator.jav  
 a  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/internal/SessionFactoryObserverChain.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/hql/spi/id/persistent/UpdateHandlerImpl.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/resource/transaction/backend/jdbc/spi/JdbcResourceTransactionAccess.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/cfg/annotations/CollectionBinder.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/persister/collection/OneToManyPersister.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/hql/internal/ast/tree/MapValueNode.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/boot/jaxb/hbm/spi/SingularAttributeInfo.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/bytecode/internal/SessionFactoryObserverForBytecodeEnhancer.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
 jar/org/hibernate/criterion/SimpleSubqueryExpression.java  
 \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/hql/internal/ast/tree/NullNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/SizeOfPluralAttributeExpression.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/path/AbstractFromImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/batch/spi/Batch.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/CommonQueryContract.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/ParameterExpressionImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/reflection/ClassLoaderAccessLazyImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/function/CurrentTimeFunction.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/CompoundSelectionImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/CommaSeparatedStringHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceAssociation.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/Oracle10gDialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/transform/TupleSubsetResultTransformer.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/CompositeOwner.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/pagination/LegacyFirstLimitHandler.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/util/NodeTraverser.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/BidirectionalEntityReferenceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/process/internal/ScanningCoordinator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/NationalizedTypeMappings.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/MappingDocument.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/internal/Formatter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/IdentifierProjection.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/MutableMutabilityPlan.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/EntityCopyAllowedLoggedObserver.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/hql/spi/id/cte/CteValuesListBulkIdStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/internal/AbstractJaccSecurableEventListener.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/LoadPlanImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/ManyToOnePropertySource.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/internal/BinaryStreamImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/IdentityColumnSupportImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/internal/JdbcServicesInitiator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/map/MapProxyFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/LobMergeStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/AbstractPostInsertGenerator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/internal/ScanResultCollector.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/SessionLazyDelegator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/annotations/Formula.java  
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jar/org/hibernate/engine/jdbc/connections/internal/package-info.java  
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jar/org/hibernate/sql/InsertSelect.java  
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jar/org/hibernate/internal/util/ConfigHelper.java  
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jar/org/hibernate/engine/jndi/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Table.java  
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jar/org/hibernate/mapping/MetaAttribute.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/HibernateSchemaManagementTool.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/GenerationTarget.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/HqlASTFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorDB2DatabaseImpl.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/exec/MultiTableDeleteExecutor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/JavaTypeDescriptorRegistry.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/CannotForceNonnullableException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/JRun4JtaPlatform.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/persistent/Helper.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Index.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorIngresDatabaseImpl.java  
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jar/org/hibernate/tool/schema/internal/AbstractSchemaMigrator.java  
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jar/org/hibernate/EntityMode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/util/PathHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/SessionFactoryBuilderImplementor.java  
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jar/org/hibernate/loader/GeneratedCollectionAliases.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/dialect/MySQLMyISAMDialect.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/FilterConfiguration.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/MySQL57InnoDBDialect.java  
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jar/org/hibernate/boot/spi/JpaOrmXmlPersistenceUnitDefaultAware.java  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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nTrackingImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/AbstractPluralAssociationElementSourceImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/JoinedSubclassFkSecondPass.java  
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jar/org/hibernate/stat/spi/StatisticsFactory.java  
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jar/org/hibernate/hql/internal/ast/exec/DeleteExecutor.java

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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/SqlGenerator.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/ActionQueue.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/OptimisticLockException.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/UnresolvedEntityInsertActions.java  
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 */
/**
 * Used to pass along the CDI BeanManager, if any, to be used.
 *
 * According to JPA, strictly, the BeanManager should be passed in
 * at boot-time and be ready for use at that time. However not all
 * environments can do this (WildFly e.g.). To accommodate such
 * environments, Hibernate provides 2 options:
 *
 * * a proprietary CDI extension SPI (that we have proposed to
 * the CDI spec group as a standard option) that can be used
 * to provide delayed BeanManager access. To use this solution,
 * the reference passed as the BeanManager during bootstrap
 * should be typed as { @link ExtendedBeanManager }
 *
 * * delayed access to the BeanManager reference. Here, Hibernate
 * will not access the reference passed as the BeanManager during
 * bootstrap until it is first needed. Note however that this has
 * the effect of delaying any deployment problems until after
 * bootstrapping.
 *
 * This setting is used to configure Hibernate ORM's access to
 * the BeanManager (either directly or via { @link ExtendedBeanManager }).
 */
```

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jar/org/hibernate/tuple/package.html  
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jar/org/hibernate/cfg/package.html  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/loader/hql/package.html  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/orm\_2\_0.xsd  
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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/package.html  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metadata/package.html  
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jar/org/hibernate/persister/entity/package.html  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/package.html  
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jar/org/hibernate/mapping/package.html  
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jar/org/hibernate/transform/package.html  
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jar/org/hibernate/engine/package.html  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/package.html  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/persistence\_1\_0.xsd  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/antlr/package.html

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 \*/  
 /\*  
 \* Written by Doug Lea with assistance from members of JCP JSR-166  
 \* Expert Group and released to the public domain, as explained at  
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 \*  
 \* Modified for <https://jira.jboss.org/jira/browse/ISPN-299>  
 \* Includes ideas described in <http://portal.acm.org/citation.cfm?id=1547428>  
 \*  
 \*/  
 /\*\*  
 \* A hash table supporting full concurrency of retrievals and  
 \* adjustable expected concurrency for updates. This class obeys the  
 \* same functional specification as { @link java.util.Hashtable }, and  
 \* includes versions of methods corresponding to each method of  
 \* <code>Hashtable</code>. However, even though all operations are  
 \* thread-safe, retrieval operations do <em>not</em> entail locking,  
 \* and there is <em>not</em> any support for locking the entire table  
 \* in a way that prevents all access. This class is fully  
 \* interoperable with <code>Hashtable</code> in programs that rely on its  
 \* thread safety but not on its synchronization details.  
 \* </p>  
 \* <p> Retrieval operations (including <code>get</code>) generally do not  
 \* block, so may overlap with update operations (including  
 \* <code>put</code> and <code>remove</code>). Retrievals reflect the results  
 \* of the most recently <em>completed</em> update operations holding  
 \* upon their onset. For aggregate operations such as <code>putAll</code>  
 \* and <code>clear</code>, concurrent retrievals may reflect insertion or  
 \* removal of only some entries. Similarly, Iterators and  
 \* Enumerations return elements reflecting the state of the hash table  
 \* at some point at or since the creation of the iterator/enumeration.  
 \* They do <em>not</em> throw { @link java.util.ConcurrentModificationException }.  
 \* However, iterators are designed to be used by only one thread at a time.  
 \* </p>  
 \* <p> The allowed concurrency among update operations is guided by  
 \* the optional <code>concurrencyLevel</code> constructor argument  
 \* (default <code>16</code>), which is used as a hint for internal sizing. The  
 \* table is internally partitioned to try to permit the indicated  
 \* number of concurrent updates without contention. Because placement  
 \* in hash tables is essentially random, the actual concurrency will  
 \* vary. Ideally, you should choose a value to accommodate as many  
 \* threads as will ever concurrently modify the table. Using a  
 \* significantly higher value than you need can waste space and time,  
 \* and a significantly lower value can lead to thread contention. But  
 \* overestimates and underestimates within an order of magnitude do  
 \* not usually have much noticeable impact. A value of one is

- \* appropriate when it is known that only one thread will modify and
- \* all others will only read. Also, resizing this or any other kind of
- \* hash table is a relatively slow operation, so, when possible, it is
- \* a good idea to provide estimates of expected table sizes in
- \* constructors.
- \* <p/>
- \* <p>This class and its views and iterators implement all of the
- \* <em>optional</em> methods of the { @link Map } and { @link Iterator }
- \* interfaces.
- \* <p/>
- \* <p>This class is copied from Infinispan, and was originally written
- \* by Doug Lea with assistance from members of JCP JSR-166 Expert Group and
- \* released to the public domain, as explained at
- \* <http://creativecommons.org/licenses/publicdomain></p>
- \* <p/>
- \* <p/>
- \* <p> Like { @link java.util.Hashtable } but unlike { @link HashMap }, this class
- \* does <em>not</em> allow <tt>null</tt> to be used as a key or value.
- \*
- \* @param <K> the type of keys maintained by this map
- \* @param <V> the type of mapped values
- \*
- \* @author Doug Lea
- \*/

Found in path(s):

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/BoundedConcurrentHashMap.java

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/\*\*

\* Subclass used to simply instantiation of singular attributes representing an entity's

\* version.

\*/

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- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/build/AllowPrintStackTrace.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/internal/NotYetReadyException.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/AbstractRegion.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/internal/SubGraphImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/internal/Helper.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/xsd/MappingXsdSupport.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/internal/SqlStringGenerationContextImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/BasicTypeDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/EmbeddedDomainType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/AbstractCacheableDataStatistics.java

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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/SessionFactoryOptionsBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/AbstractInterceptor.java

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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/convert/internal/AutoApplicableConverterDescriptorBypassedImpl.java

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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/spi/AbstractCdiBeanContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/StandardBasicTypeTemplate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/spi/CallbackType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/CacheImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/spi/ManagedBeanRegistryInitiator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/MappedSuperclassTypeImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/EnabledCaching.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/convert/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/NoCachingTransactionSynchronizationImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/MapPersistentAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/NamedQuery.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/DeprecatedNaturalIdCacheStatisticsImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/internal/AbstractGraph.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/BytecodeLazyAttributeInterceptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/access/CollectionDataAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/AbstractManagedType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/CollectionPathNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/spi/Callback.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/internal/FallbackBeanInstanceProducer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/AbstractDomainDataRegion.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/convert/internal/AbstractConverterDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/internal/CallbackRegistryImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/PersistentAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/convert/internal/StandardBasicValueConverter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/internal/parse/GraphParser.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/QueryResultsRegion.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/convert/spi/EnumValueConverter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/classloading/internal/AggregatedServiceLoader.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/Region.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/AttributeNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/PluralAttributeBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/spi/ContainedBean.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/AbstractCacheTransactionSynchronization.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/CannotContainSubGraphException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/convert/spi/BasicValueConverter.java

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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/UpdateTimestampsCache.java

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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CacheImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/internal/CdiBeanContainerBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/EnhancedEntity.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/internal/AbstractCallback.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/QuerySpacesHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/spi/ManagedBeanRegistry.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/RegionFactoryTemplate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/EmbeddableTypeImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/DomainDataRegion.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/AbstractIdentifiableType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/RootGraph.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/convert/internal/AttributeConverterManager.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/DomainDataRegionTemplate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/Graph.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/spi/EntityDataCachingConfig.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/SecondLevelCacheLogger.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/LifecycleCallbackContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/spi/DomainDataRegionBuildingContext.java

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\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/EffectiveEntityGraph.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/BagAttributeImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/QueryCache.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/AbstractLazyLoadInterceptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/EntityTypeImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/NaturalIdCacheStatistics.java

- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/DomainType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/IdentifiableDomainType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/internal/CdiBeanContainerImmediateAccessImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/internal/CdiBasedBeanContainer.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/EntityReadOnlyAccess.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/spi/BeanLifecycleStrategy.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/access/NaturalIdDataAccess.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/DirectAccessRegionTemplate.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/internal/CdiBeanContainerExtendedAccessImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/build/AllowSysOut.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/ManagedDomainType.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/spi/ProvidedInstanceManagedBeanImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/xsd/LocalXsdResolver.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/MapAttributeImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/SetAttributeImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/convert/internal/JpaAttributeConverterImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/TimestampsCache.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/NaturalIdReadWriteAccess.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/internal/EntityDataCachingConfigImpl.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/internal/CallbacksFactory.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/package-info.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/SingularPersistentAttribute.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/convert/internal/InstanceBasedConverterDescriptor.java
- \* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/SqlStringGenerationContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/access/UnknownAccessTypeException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/GraphSemantic.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/internal/CollectionDataCachingConfigImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/ListAttributeImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/EntityReadWriteAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/MappedSuperclassDomainType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/ListPersistentAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/H2FinalTableIdentityColumnSupport.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/ExtendedStatisticsSupport.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/xsd/ConfigXsdSupport.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/TimestampsRegion.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/internal/parse/PathQualifierType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/reflection/internal/PropertyMappingElementCollector.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/EntityDomainType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/spi/CallbackRegistryConsumer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/EntityTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/internal/ManagedBeanRegistryImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/convert/spi/JpaAttributeConverter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/NaturalIdNonStrictReadWriteAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/Stack.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/spi/JdbcRecommendedSqlTypeMappingContext.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/SessionAssociableInterceptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/AssociationAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/DomainTypeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/spi/NaturalIdDataCachingConfig.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/StorageAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/QueryResultsCache.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/access/EntityDataAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/SubGraph.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/TimestampsCacheDisabledImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/CacheUtils.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/internal/parse/SubGraphGenerator.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/EntityTransactionalAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/CollectionSizeNode.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/convert/internal/OrdinalEnumValueConverter.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/CollectionDomainType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/CollectionNonStrictReadWriteAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/DisabledCaching.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/PluralPersistentAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/BasicDomainType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/spi/BeanContainer.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/CannotBecomeEntityGraphException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/AbstractAttribute.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/DomainModelHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/AbstractCachedDomainDataAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/BasicTypeImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/access/CachedDomainDataAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/internal/BeansMessageLogger.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/internal/AbstractGraphNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/spi/DomainDataRegionConfig.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/spi/AppliedGraph.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/NavigableRole.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/GraphNode.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/TimestampsCacheFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/internal/AbstractDomainDataCachingConfig.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/EntityNonStrictReadWriteAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/spi/SubGraphImplementor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/internal/ListenerCallback.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/SetPersistentAttribute.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/convert/spi/ConverterDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/AbstractEntityDataAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/CacheTransactionSynchronization.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/spi/CallbackRegistrar.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/BytecodeLogging.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/AbstractNaturalIdDataAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/ManagedTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/internal/EntityCallback.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/BagPersistentAttribute.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/internal/DomainDataRegionConfigImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/internal/CdiBeanContainerDelayedAccessImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/spi/RegistryHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/convert/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/internal/CallbackDefinitionResolverLegacyImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/RegionNameQualifier.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/package-info.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/internal/JpaCompliantLifecycleStrategy.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/uuid/LocalObjectUuidHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/spi/CollectionDataCachingConfig.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/spi/ContainedBeanImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/PersistentAttributeDescriptor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/StatsHelper.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/RegionFactory.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/QueryResultsRegionTemplate.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/spi/CallbackBuilder.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/SecondLevelCacheStatistics.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ast/Clause.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/convert/internal/AutoApplicableConverterDescriptorStandardImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/internal/NoSuchBeanException.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/DomainDataRegionImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/QueryResultsCacheImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/spi/GraphImplementor.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/internal/EmptyCallbackRegistryImpl.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/DomainDataStorageAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/NaturalIdTransactionalAccess.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/AbstractType.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/TimestampsRegionTemplate.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/io/CharSequenceReader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/convert/spi/AutoApplicableConverterDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/StandardTimestampsCacheFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/MappedSuperclassTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/BasicJavaDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/CollectionReadWriteAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/convert/internal/ClassBasedConverterDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/spi/DomainDataCachingConfig.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/AbstractCollectionDataAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/OptionallyManageable.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/DirectAccessRegion.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/IdentifiableTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/spi/GraphHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/spi/EmbeddedTypeDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/internal/NaturalIdDataCachingConfigImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/spi/CallbackRegistry.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/NullnessHelper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/SimpleTimestampper.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/AbstractRegionFactory.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/CollectionTransactionAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/convert/spi/JpaAttributeConverterCreationContext.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/cfg/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/access/SoftLock.java

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/internal/RootGraphImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/support/AbstractReadWriteAccess.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/TimestampsCacheEnabledImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/CacheableDataStatistics.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/internal/NamedBeanQualifier.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/classloading/internal/AggregatedClassLoader.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/AttributeConverterInfo.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/StandardStack.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/AbstractPluralAttribute.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/xsd/XsdDescriptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/internal/AttributeNodeImpl.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/spi/CallbackDefinition.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/convert/internal/NamedEnumValueConverter.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/internal/ContainerManagedLifecycleStrategy.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/spi/ExtendedBeanManager.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/EnhancementAsProxyLazinessInterceptor.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/model/domain/internal/MapMember.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/xsd/package-info.java  
\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/container/spi/FallbackContainedBean.java  
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```
* /opt/cola/permits/1648885615_1683549411.053015/0/hibernate-core-5-6-15-final-sources-
jar/org/hibernate/hibernate-configuration-3.0.dtd
```

```
* /opt/cola/permits/1648885615_1683549411.053015/0/hibernate-core-5-6-15-final-sources-
jar/org/hibernate/hibernate-mapping-3.0.dtd
```

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```
header {
```

```
/*
```

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```

```
*
```

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```

```
*/
```

```
package org.hibernate.graph.internal.parse;
```

```
}
```

```
/**
```

```
* Antlr grammar describing the Hibernate EntityGraph Language.
```

```
*/
```

```
class GeneratedGraphParser extends Parser;
```

```
options {
```

```
    // call the vocabulary (H)ibernate (E)ntity(G)raph (L)anguage
```

```
    exportVocab=HEGL;
```

```
    k = 2;
```

```
    // buildAST = true;
```

```
    buildAST = false;
```

```
}
```

```
{
```

```
    // ~~~~~
```

```
    // semantic actions/callouts
```

```
protected void startAttribute(Token attributeName) {
```

```
}
```

```
protected void startQualifiedAttribute(Token attributeName, Token qualifier) {
```

```
}
```

```
protected void finishAttribute() {
```

```
}
```

```
protected void startSubGraph(Token subType) {
```

```
}
```

```

protected void finishSubGraph() {
}
}

graph
: attributeNode (COMMA attributeNode)*
;

attributeNode
: attributePath (subGraph)? { finishAttribute(); }
;

attributePath
: path:NAME (DOT qualifier:NAME)? {
if ( qualifier == null ) {
startAttribute( path );
}
else {
startQualifiedAttribute( path, qualifier );
}
}
;

subGraph
: LPAREN (subtype:NAME COLON)? { startSubGraph( subtype ); } attributeNode (COMMA attributeNode )*
RPAREN {
finishSubGraph();
}
;

```

```

// **** LEXER ****

```

```

/**
* Lexer for the Hibernate EntityGraph Language grammar
*/
class GraphLexer extends Lexer;

options {
// call the vocabulary (H)ibernate (E)ntity(G)raph (L)anguage
exportVocab=HEGL;

k = 2;

// Allow any char but \uffff (16 bit -1, ANTLR's EOF character)
charVocabulary = '\u0000'..\ufffe';

```

```
caseSensitive = false;
testLiterals = false;
}
```

```
COLON: ':';
```

```
COMMA: ',';
```

```
DOT: '.';
```

```
LPAREN: '(';
```

```
RPAREN: ')';
```

```
WHITESPACE
```

```
: ( ' '
  | '\t'
  | '\r' '\n' { newline(); }
  | '\n'      { newline(); }
  | '\r'      { newline(); }
)
{ setType(Token.SKIP); } //ignore this token
;
```

```
/**
```

```
* In this grammar, basically any string since we (atm) have no keywords
```

```
*/
```

```
NAME
```

```
: NAME_START ( NAME_CONTINUATION )*
;
```

```
protected
```

```
NAME_START
```

```
: '_'
  | '$'
  | 'a'..'z'
  // HHH-558 : Allow unicode chars in identifiers
  //| '\u0080'..'ufffe'
;
```

```
protected
```

```
NAME_CONTINUATION
```

```
: NAME_START
  | '0'..'9'
;
```

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\*/

/\*\*

\* JTA platform implementation intended for use with WebSphere Application Server (WAS).

\* <p/>

\* WAS, unlike every other app server on the planet, does not allow direct access to the JTS TransactionManager.

\* Instead, for common transaction-related tasks users must utilize a proprietary API known as

ExtendedJTATransaction.

\* <p/>

\* Even more unfortunate, the exact TransactionManagerLookup to use inside of WAS is highly dependent upon<ul>

\* <li>WAS version</li>

\* <li>the WAS container in which Hibernate will be utilized</li>

\* </ul>

\* <p/>

\* This class is reported to work on WAS version 6 in any of the standard J2EE/Java EE component containers.

\*

\* @author Gavin King

\* @author <a href="mailto:jesper@udby.com">Jesper Udby</a>

\* @author Steve Ebersole

\*/

Found in path(s):

\* /opt/cola/permits/1648885615\_1683549411.053015/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/engine/transaction/jta/platform/internal/WebSphereExtendedJtaPlatform.java

## 1.63 jest-worker 28.1.3

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## 1.64 is-bigint 1.0.4

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## 1.65 @next/swc-android-arm-eabi 12.3.1

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```
/opt/cola/permits/1668697105_1683630567.5256538/0/swc-android-arm-eabi-12-3-1-1-tgz/package/next-sw.android-arm-eabi.node: binary file matches
```

Found in path(s):

\* /bin/grep

# 1.66 react-textarea-autosize 8.3.4

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## 1.71 use-isomorphic-layout-effect 1.1.2

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## 1.72 @types/express 4.17.14

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## 1.82 normalize-package-data 2.5.0

## 1.83 @emotion/serialize 1.0.2

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## 1.84 meow 8.1.2

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## 1.85 strip-json-comments 3.1.1

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## 1.86 postcss-resolve-nested-selector 0.1.1

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node-http-proxy

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jar/org/hibernate/jpamodelgen/annotation/MetaAttributeGenerationVisitor.java  
\* /opt/cola/permits/1653957298\_1683549977.6869836/0/hibernate-jpamodelgen-5-6-15-final-sources-  
jar/org/hibernate/jpamodelgen/util/xml/package-info.java  
\* /opt/cola/permits/1653957298\_1683549977.6869836/0/hibernate-jpamodelgen-5-6-15-final-sources-  
jar/org/hibernate/jpamodelgen/model/MetaCollection.java  
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# 1.93 kotlin-stdlib-common 1.6.21

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# 1.94 apache-commons-pool 2.11.1

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# 1.95 react-devtools-extension 16.13.1

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## 1.96 write-file-atomic 4.0.2

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```
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jar/org/apache/maven/artifact/versioning/ArtifactVersion.java
 * /opt/cola/permits/1636392834_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-
jar/org/apache/maven/artifact/resolver/ResolutionListener.java
 * /opt/cola/permits/1636392834_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-
jar/org/apache/maven/artifact/resolver/ArtifactCollector.java
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- \* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/transform/ArtifactTransformation.java
- \* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/deployer/ArtifactDeploymentException.java
- \* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/installer/ArtifactInstallationException.java
- \* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/metadata/ArtifactMetadata.java
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- \* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/versioning/DefaultArtifactVersion.java
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- \* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/handler/DefaultArtifactHandler.java
- \* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/resolver/CyclicDependencyException.java
- \* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/resolver/ArtifactNotFoundException.java
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- \* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/resolver/filter/ExcludesArtifactFilter.java

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\* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/repository/ArtifactRepositoryPolicy.java  
\* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/repository/metadata/RepositoryMetadataInstallationException.java  
\* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/repository/layout/ArtifactRepositoryLayout.java  
\* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/metadata/AbstractArtifactMetadata.java  
\* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/resolver/AbstractArtifactResolutionException.java  
\* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/resolver/filter/ScopeArtifactFilter.java  
\* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/repository/ArtifactRepositoryFactory.java  
\* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/metadata/ResolutionGroup.java  
\* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/resolver/filter/ArtifactFilter.java  
\* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/resolver/filter/InversionArtifactFilter.java  
\* /opt/cola/permits/1636392834\_1681322087.6543698/0/maven-artifact-2-0-2-sources-1-jar/org/apache/maven/artifact/resolver/ArtifactResolutionException.java

## 1.98 path-is-absolute 1.0.1

## 1.99 @babel/helper-environment-visitor

### 7.18.9

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jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java  
* /opt/cola/permits/1653957255_1682457235.4982471/0/asm-tree-9-5-sources-  
jar/org/objectweb/asm/tree/ParameterNode.java  
* /opt/cola/permits/1653957255_1682457235.4982471/0/asm-tree-9-5-sources-  
jar/org/objectweb/asm/tree/MethodInsnNode.java  
* /opt/cola/permits/1653957255_1682457235.4982471/0/asm-tree-9-5-sources-  
jar/org/objectweb/asm/tree/ModuleOpenNode.java  
* /opt/cola/permits/1653957255_1682457235.4982471/0/asm-tree-9-5-sources-  
jar/org/objectweb/asm/tree/TypeInsnNode.java  
* /opt/cola/permits/1653957255_1682457235.4982471/0/asm-tree-9-5-sources-  
jar/org/objectweb/asm/tree/AnnotationNode.java  
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jar/org/objectweb/asm/tree/FieldNode.java  
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jar/org/objectweb/asm/tree/InnerClassNode.java  
* /opt/cola/permits/1653957255_1682457235.4982471/0/asm-tree-9-5-sources-  
jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
```

\* /opt/cola/permits/1653957255\_1682457235.4982471/0/asm-tree-9-5-sources-jar/org/objectweb/asm/tree/FrameNode.java  
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\* /opt/cola/permits/1653957255\_1682457235.4982471/0/asm-tree-9-5-sources-jar/org/objectweb/asm/tree/LineNumberNode.java  
\* /opt/cola/permits/1653957255\_1682457235.4982471/0/asm-tree-9-5-sources-jar/org/objectweb/asm/tree/ModuleExportNode.java  
\* /opt/cola/permits/1653957255\_1682457235.4982471/0/asm-tree-9-5-sources-jar/org/objectweb/asm/tree/InsnNode.java  
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## 1.102 internal-slot 1.0.3

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## 1.105 @babel/helper-module-transforms

### 7.19.0

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jar/io/micrometer/core/instrument/util/AbstractPartition.java
* /opt/cola/permits/1648885674_1683549782.3841972/0/micrometer-core-1-9-10-sources-
jar/io/micrometer/core/instrument/dropwizard/DropwizardFunctionCounter.java
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* /opt/cola/permits/1648885674_1683549782.3841972/0/micrometer-core-1-9-10-sources-
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jar/io/micrometer/core/instrument/TimeGauge.java
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\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/aop/TimedAspect.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/DistributionSummary.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/cache/CaffeineCacheMetrics.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jvm/DiskSpaceMetrics.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/step/StepDouble.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/noop/NoopFunctionCounter.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/system/UptimeMetrics.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/dropwizard/DropwizardFunctionTimer.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/dropwizard/package-info.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/util/HierarchicalNameMapper.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/aop/CountedAspect.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/ImmutableTag.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jvm/JvmThreadMetrics.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/internal/DefaultGauge.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jersey/server/JerseyTagsProvider.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/dropwizard/DropwizardDistributionSummary.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/hystrix/MicrometerMetricsPublisherThreadPool.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/distribution/NoopHistogram.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jvm/JvmCompilationMetrics.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/internal/TimedExecutor.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/composite/CompositeDistributionSummary.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/distribution/HistogramSupport.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/dropwizard/DropwizardConfig.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/util/package-info.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/annotation/TimedSet.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/composite/CompositeTimeGauge.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/distribution/pause/package-info.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/config/InvalidConfigurationException.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/step/StepFunctionCounter.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/util/DoubleFormat.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/distribution/package-info.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/distribution/TimeWindowFixedBoundaryHistogram.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/step/StepMeterRegistry.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/okhttp3/OkHttpMetricsEventListener.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/cache/GuavaCacheMetrics.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/step/StepRegistryConfig.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/dropwizard/DropwizardGauge.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/cache/package-info.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/composite/AbstractCompositeMeter.java

- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/cache/HazelcastCacheMetrics.java
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- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/AbstractMeter.java
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- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/logging/LogbackMetrics.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/Meter.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/cache/CacheMeterBinder.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/db/PostgreSQLDatabaseMetrics.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jpa/HibernateMetrics.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/distribution/Histogram.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/distribution/pause/NoPauseDetector.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/logging/Log4j2Metrics.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/AbstractTimer.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jersey/server/TimedFinder.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/distribution/CountAtBucket.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jersey/server/MetricsApplicationEventListener.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/config/MeterFilter.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/Clock.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/annotation/Timed.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/cumulative/package-info.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/dropwizard/DropwizardMeterRegistry.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jvm/ExecutorServiceMetrics.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/logging/package-info.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/dropwizard/DropwizardClock.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/composite/CompositeMeterRegistry.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/step/StepFunctionTimer.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/BaseUnits.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/cumulative/CumulativeDistributionSummary.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/step/StepDistributionSummary.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/step/StepMeasurement.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/annotation/Counted.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/composite/CompositeCustomMeter.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jvm/JvmGcMetrics.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/distribution/ValueAtPercentile.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/composite/CompositeGauge.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/Measurement.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/annotation/Incubating.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/LongTaskTimer.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/noop/NoopTimeGauge.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/composite/CompositeCounter.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/system/FileDescriptorMetrics.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/step/StepTimer.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/config/MeterRegistryConfig.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/util/StringEscapeUtils.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/push/package-info.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/distribution/HistogramSnapshot.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/AbstractDistributionSummary.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyStatisticsMetrics.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/hystrix/MicrometerMetricsPublisherCommand.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/composite/CompositeFunctionTimer.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/system/ProcessorMetrics.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/util/StringUtils.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/Gauge.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/Tags.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/dropwizard/DropwizardRate.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/simple/CountingMode.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/config/package-info.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/config/MeterFilterReply.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/config/MissingRequiredConfigurationException.java  
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\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-

jar/io/micrometer/core/instrument/binder/httpcomponents/MicrometerHttpRequestExecutor.java  
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jar/io/micrometer/core/instrument/Timer.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/mongodb/MongoMetricsConnectionPoolListener.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/internal/TimedCallable.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/jetty/InstrumentedQueuedThreadPool.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/internal/TimedRunnable.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/jetty/OnCompletionAsyncListener.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/jvm/JvmMemory.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/jetty/JettyConnectionMetrics.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/mongodb/MongoMetricsCommandListener.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/util/internal/logging/WarnThenDebugLogger.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/jetty/JettyServerThreadPoolMetrics.java  
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jar/io/micrometer/core/instrument/util/NamedThreadFactory.java  
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jar/io/micrometer/core/ipc/http/HttpSender.java

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\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/logging/LoggingMeterRegistry.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/push/PushMeterRegistry.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/StrongReferenceGaugeFunction.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/ipc/http/OkHttpSender.java

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jar/io/micrometer/core/util/internal/logging/FormattingTuple.java
* /opt/cola/permits/1648885674_1683549782.3841972/0/micrometer-core-1-9-10-sources-
jar/io/micrometer/core/util/internal/logging/MessageFormatter.java
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image/io.micrometer/micrometer-core/native-image.properties
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\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/okhttp3/package-info.java

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\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-

jar/io/micrometer/core/instrument/config/validate/package-info.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/mongodb/package-info.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/commonspool2/package-info.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/tomcat/package-info.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/kafka/package-info.java  
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jar/io/micrometer/core/annotation/package-info.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/system/package-info.java  
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jar/io/micrometer/core/instrument/binder/jersey/server/package-info.java  
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jar/io/micrometer/core/instrument/binder/httpcomponents/package-info.java  
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jar/io/micrometer/core/util/internal/logging/AbstractInternalLogger.java
* /opt/cola/permits/1648885674_1683549782.3841972/0/micrometer-core-1-9-10-sources-
jar/io/micrometer/core/util/internal/logging/JdkLoggerFactory.java
* /opt/cola/permits/1648885674_1683549782.3841972/0/micrometer-core-1-9-10-sources-
jar/io/micrometer/core/util/internal/logging/InternalLogLevel.java
* /opt/cola/permits/1648885674_1683549782.3841972/0/micrometer-core-1-9-10-sources-
jar/io/micrometer/core/util/internal/logging/Slf4JLogger.java
* /opt/cola/permits/1648885674_1683549782.3841972/0/micrometer-core-1-9-10-sources-
jar/io/micrometer/core/util/internal/logging/Slf4JLoggerFactory.java
* /opt/cola/permits/1648885674_1683549782.3841972/0/micrometer-core-1-9-10-sources-
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jar/io/micrometer/core/instrument/binder/grpc/MetricCollectingServerCall.java  
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jar/io/micrometer/core/instrument/binder/grpc/MetricCollectingClientCall.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-  
jar/io/micrometer/core/instrument/binder/mongodb/DefaultMongoCommandTagsProvider.java  
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jar/io/micrometer/core/instrument/binder/grpc/package-info.java  
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jar/io/micrometer/core/instrument/binder/jvm/JvmInfoMetrics.java  
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\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-

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jar/io/micrometer/core/instrument/binder/grpc/AbstractMetricCollectingInterceptor.java
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jar/io/micrometer/core/instrument/binder/cache/CaffeineStatsCounter.java
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jar/io/micrometer/core/lang/NonNullFields.java
* /opt/cola/permits/1648885674_1683549782.3841972/0/micrometer-core-1-9-10-sources-
jar/io/micrometer/core/lang/NonNullApi.java
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jar/io/micrometer/core/lang/Nullable.java
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- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/config/validate/PropertyValidator.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/db/JooqExecuteListener.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/config/validate/InvalidReason.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyClientTags.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyClientTagsProvider.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/internal/CumulativeHistogramLongTaskTimer.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jvm/JvmHeapPressureMetrics.java
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- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/http/Outcome.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/kafka/KafkaClientMetrics.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/kafka/KafkaMetrics.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/config/validate/ValidationException.java
- \* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyClientMetrics.java

\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/HttpContextUtils.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/kafka/KafkaStreamsMetrics.java  
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\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/config/validate/DurationValidator.java  
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\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jetty/JettySslHandshakeMetrics.java  
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\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/config/validate/Validated.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/step/StepValue.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/distribution/FixedBoundaryVictoriaMetricsHistogram.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/commonspool2/CommonsObjectPool2Metrics.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/cache/HazelcastIMapAdapter.java  
\* /opt/cola/permits/1648885674\_1683549782.3841972/0/micrometer-core-1-9-10-sources-jar/io/micrometer/core/instrument/binder/jpa/HibernateQueryMetrics.java

## 1.118 @babel/traverse 7.19.3

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\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathFunction.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/CamelCaseUtils.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathContainsFunction.java  
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\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/NumericComparator.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathSubExpression.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/Comparator.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathNotExpression.java  
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\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathMultiSelectList.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/OpLessThan.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/OpLessThanOrEqualTo.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/ObjectMapperSingleton.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathFlatten.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathVisitor.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/OpGreaterThanOrEqualTo.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathLiteral.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathAndExpression.java  
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\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathLengthFunction.java

\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathExpression.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/OpEquals.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/OpNotEquals.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathField.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/OpGreaterThan.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/InvalidTypeException.java  
\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathEvaluationVisitor.java

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\* /opt/cola/permits/1540671201\_1674467514.047103/0/jmespath-java-1-11-951-sources-jar/META-INF/maven/com.amazonaws/jmespath-java/pom.xml

## 1.122 @babel/types 7.19.3

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* /opt/cola/permits/1337070288_1654119493.5792491/0/spring-security-rsa-1-0-10-release-sources-1-jar/org/springframework/security/rsa/crypto/RsaKeyHelper.java  
* /opt/cola/permits/1337070288_1654119493.5792491/0/spring-security-rsa-1-0-10-release-sources-1-jar/org/springframework/security/rsa/crypto/RsaRawEncryptor.java  
* /opt/cola/permits/1337070288_1654119493.5792491/0/spring-security-rsa-1-0-10-release-sources-1-jar/org/springframework/security/rsa/crypto/RsaKeyHolder.java  
* /opt/cola/permits/1337070288_1654119493.5792491/0/spring-security-rsa-1-0-10-release-sources-1-jar/org/springframework/security/rsa/crypto/RsaSecretEncryptor.java  
* /opt/cola/permits/1337070288_1654119493.5792491/0/spring-security-rsa-1-0-10-release-sources-1-
```

jar/org/springframework/security/rsa/crypto/KeyStoreKeyFactory.java

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Found in path(s):

\* /opt/cola/permits/1337070288\_1654119493.5792491/0/spring-security-rsa-1-0-10-release-sources-1-jar/org/springframework/security/rsa/crypto/RsaAlgorithm.java

## 1.127 test-exclude 6.0.0

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## 1.128 jackson-datatype-jdk8 2.13.5

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## 1.138 mstest-testframework 2.2.8

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## 1.139 resolve-cwd 3.0.0

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## 1.140 @babel/helper-validator-option 7.18.6

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## 1.141 coverlet.collector 3.1.2

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## 1.142 ansi-styles 5.2.0

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## 1.143 object.entries 1.1.5

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# 1.144 object-keys 1.1.1

## 1.145 mimic-fn 2.1.0

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## 1.146 natural-compare 1.4.0

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\* /opt/cola/permits/1018350782\_1606727739.86/0/natural-compare-1-4-0-3-tgz/package/README.md

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/\*

\* @version 1.4.0

\* @date 2015-10-26

\* @stability 3 - Stable

\* @author Lauri Rooden (<https://github.com/litejs/natural-compare-lite>)

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\* /opt/cola/permits/1646236500\_1681946354.9462402/0/json-smart-2-4-10-jar/META-INF/maven/net.minidev/json-smart/pom.xml

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Manifest-Version: 1.0

Build-Jdk-Spec: 11

Bundle-Description: JSON (JavaScript Object Notation) is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate. It is based on a subset of the JavaScript Programming Language, Standard ECMA-262 3rd Edition - December 1999. JSON is a text format that is completely language independent but uses conventions that are familiar to programmers of the C-family of languages, including C, C++, C#, Java, JavaScript, Perl, Python, and many others. These properties make JSON an ideal data-interchange language.

Bundle-DocURL: <https://urielch.github.io/>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: json-smart

Bundle-SymbolicName: net.minidev.json-smart

Bundle-Vendor: Chemouni Uriel

Bundle-Version: 2.4.10

Created-By: Apache Maven Bundle Plugin 5.1.8

```
Export-Package: net.minidev.json;uses:="net.minidev.asm,net.minidev.js
on.parser,net.minidev.json.reader,net.minidev.json.writer";version="2
.4.10",net.minidev.json.annotate;version="2.4.10",net.minidev.json.pa
rser;uses:="net.minidev.json.writer";version="2.4.10",net.minidev.js
on.reader;uses:="net.minidev.json";version="2.4.10",net.minidev.json.w
riter;uses:="net.minidev.json,net.minidev.json.parser";version="2.4.1
0"
Import-Package: net.minidev.asm;version="[2.4,3)",net.minidev.json,net
.minidev.json.annotate,net.minidev.json.parser,net.minidev.json.reade
r,net.minidev.json.writer
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-6.3.1.202206071316
```

Found in path(s):

\* /opt/cola/permits/1646236500\_1681946354.9462402/0/json-smart-2-4-10-jar/META-INF/MANIFEST.MF

# 1.148 create-require 1.1.1

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# 1.149 rfdc 1.3.0

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## 1.151 has-flag 4.0.0

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## 1.152 okhttp 4.9.3

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## 1.154 swagger-core 2.2.2

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## 1.155 types-jest 28.1.8

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## 1.156 html-escaper 2.0.2

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/tokens/FlowMappingEndToken.java  
\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/constructor/Constructor.java  
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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/LoaderOptions.java  
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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/scanner/Scanner.java  
\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/emitter/ScalarAnalysis.java  
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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/parser/ParserException.java  
\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/nodes/NodeId.java  
\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/comments/CommentEventsCollector.java  
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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/events/MappingEndEvent.java

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/reader/ReaderException.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/serializer/AnchorGenerator.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/tokens/BlockEndToken.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/error/MissingEnvironmentVariableException.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/introspector/GenericProperty.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/nodes/MappingNode.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/error/YAMLEException.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/nodes/Node.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/events/NodeEvent.java

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/nodes/NodeTuple.java

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/representer/BaseRepresenter.java

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/constructor/SafeConstructor.java  
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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/serializer/SerializerException.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/scanner/ScannerImpl.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/tokens/DocumentStartToken.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/DumperOptions.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/resolver/Resolver.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/representer/Representer.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/tokens/BlockMappingStartToken.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/tokens/StreamStartToken.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/tokens/CommentToken.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/error/Mark.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/events/SequenceStartEvent.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/events/AliasEvent.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/emitter/Emitable.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/tokens/FlowMappingStartToken.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/extensions/compactnotation/CompactData.java

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/tokens/BlockEntryToken.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/inspector/TrustedTagInspector.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/events/StreamStartEvent.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/parser/Parser.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/introspector/PropertyUtils.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/tokens/ScalarToken.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/events/MappingStartEvent.java

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/nodes/AnchorNode.java

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/util/ArrayStack.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/emitter/EmitterException.java

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/events/SequenceEndEvent.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/scanner/Constant.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/representer/SafeRepresenter.java

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/TypeDescription.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/introspector/MissingProperty.java

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/**
 * A Base64 encoder/decoder.
 *
 * <p>
 * This class is used to encode and decode data in Base64 format as described in RFC 1521.
 *
 * <p>
 * Project home page: <a href="http://www.source-code.biz/base64coder/java/">www.
 * source-code.biz/base64coder/java</a><br>
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 */
```

Found in path(s):

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/PercentEscaper.java

\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/Escaper.java

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\* /opt/cola/permits/1668653332\_1683627460.702943/0/snakeyaml-2-0-sources-5-jar/META-INF/maven/org.yaml/snakeyaml/pom.xml

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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```
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new XElement("fm",
  new XElement("p", "Text placed in the public domain by Moby Lexical Tools, 1992."),
  new XElement("p", "SGML markup by Jon Bosak, 1992-1994."),
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```

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Chris Re (cmr28@cornell.edu) and Werner Vogels (vogels@cs.cornell.edu)

For details on the original authors see <http://math.nist.gov/scimark2>

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Title: Dealing with commas in a CSV file

Content: <https://stackoverflow.com/a/769713>

Question author: Bob The Janitor -- <https://stackoverflow.com/users/55102/bob-the-janitor>

Answer author: harp -- <https://stackoverflow.com/users/4525/harpo>

Use:

<https://github.com/dotnet/coreclr/blob/a9074bce5e3814db67dbec1c56f477202164d162/tests/src/sizeondisk/sodbench/SoDBench.cs#L738>

```
<Project Sdk="Microsoft.NET.Sdk">
```

```
<PropertyGroup>
```

```
<OutputType>Exe</OutputType>
```

```
<ApplicationManifest>App.manifest</ApplicationManifest>
```

```
</PropertyGroup>
```

```
<ItemGroup>
```

```
<Compile Include="Program.cs" />
```

```
<Compile Include="..\..\ServerContracts/Server.CoClasses.cs" />
```

```
<Compile Include="..\..\ServerContracts/Server.Contracts.cs" />
```

```
<Compile Include="..\..\ServerContracts/ServerGuids.cs" />
```

```
</ItemGroup>
```

```
<ItemGroup>
```

```
<ProjectReference Include="..\..\NativeServer/CMakeLists.txt" />
```

```
<ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
```

```
</ItemGroup>
```

```
</Project>
```

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## 1.167 css-escape 1.5.1

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## 1.168 spring-data-jpa 2.7.11

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## 1.171 rimraf 3.0.2

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# 1.176 ansi-styles 3.2.1

## 1.177 esquery 1.4.0

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## 1.178 iron-webcrypto 0.2.5

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## 1.179 swagger-models 2.1.12

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 */
```

Found in path(s):

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* /opt/cola/permits/1340076417_1654622411.2881706/0/swagger-models-2-1-12-sources-1-
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jar/io/swagger/v3/oas/models/media/ComposedSchema.java

## 1.180 xmlunit-xmlunit-core 2.9.1

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# 1.181 pvtutils 1.3.2

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# 1.182 object.hasown 1.1.1

## 1.182.1 Available under license :

The MIT License (MIT)

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LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

## 1.183 @tanstack/svelte-table 8.5.15

### 1.183.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
/*!  
 * bytes  
 * Copyright(c) 2012-2014 TJ Holowaychuk  
 * Copyright(c) 2015 Jed Watson  
 * MIT Licensed  
 */
```

Found in path(s):

\* /opt/cola/permits/1645466542\_1681905186.5974553/0/svelte-table-8-5-15-tgz/package/build/stats-html.html

No license file was found, but licenses were detected in source scan.

```
{"version":3,"file":"index.js","sources":["../../table-core/build/esm/index.js","../../src/placeholder.svelte","../../src/placeholder.ts","../../src/render-component.ts","../../src/index.ts"],"sourcesContent":["/**\n * table-core\n *\n * Copyright (c) TanStack\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE.md file in the root directory of this source tree.\n *\n * @license MIT\n */\n// Is this type a tuple?\n// If this type is a tuple, what indices are allowed?\nfunction functionalUpdate(updater, input) {\n  return typeof updater === 'function' ? updater(input) :\n    updater;\n}\nfunction noop() {}\nfunction makeStateUpdater(key, instance) {\n  return updater => {\n    instance.setState(old => {\n      return { ...old, [key]: functionalUpdate(updater, old[key])\n    });\n  }\n}\nfunction isFunction(d) {\n  return d instanceof Function;\n}\nfunction flattenBy(arr, getChildren) {\n  const flat = [];\n  const recurse = subArr => {\n    subArr.forEach(item => {\n      flat.push(item);\n      const children = getChildren(item);\n      if (children != null && children.length) {\n        recurse(children);\n      }\n    });\n  }\n  recurse(arr);\n  return flat;\n}\nfunction memo(getDeps, fn, opts) {\n  let deps = [];\n  let result;\n  return () => {\n    let depTime;\n    if (opts.key && opts.debug) depTime = Date.now();\n    const newDeps = getDeps();\n    const depsChanged = newDeps.length !== deps.length ||\n      newDeps.some((dep, index) => deps[index] !== dep);\n    if (!depsChanged) {\n      return result;\n    }\n    deps = newDeps;\n    let resultTime;\n    if (opts.key && opts.debug) resultTime = Date.now();\n    result = fn(...newDeps);\n    opts == null ? void 0 : opts.onChange == null ?\n      void 0 : opts.onChange(result);\n    if (opts.key && opts.debug) {\n      if (opts != null && opts.debug()) {\n        const depEndTime = Math.round((Date.now() - depTime) * 100) / 100;\n        const resultEndTime = Math.round((Date.now() - resultTime) * 100) / 100;\n        const resultFpsPercentage = resultEndTime / 16;\n        const pad = (str, num) => {\n          str = String(str);\n          while (str.length < num) {\n            str = ' ' + str;\n          }\n          return str;\n        };\n        console.info(`%c ${pad(resultEndTime, 5)} / ${pad(depEndTime, 5)} ms`,\n          `font-size: .6rem; font-weight: bold; color: hsl(${Math.max(0, Math.min(120 - 120 * resultFpsPercentage, 120))}deg 100% 31%);`,\n          opts == null ? void 0 : opts.key);\n      }\n    }\n    return result;\n  }\n}\nfunction createColumn(table, columnDef, depth, parent) {\n  const defaultColumn = table._getDefaultColumnDef();\n  const resolvedColumnDef = { ...defaultColumn, ...columnDef };\n  const accessorKey = resolvedColumnDef.accessorKey;\n  let id = resolvedColumnDef.id ?? (accessorKey ?\n    accessorKey.replace('.', '_') : undefined) ?? (typeof resolvedColumnDef.header === 'string' ?
```

```

resolvedColumnDef.header : undefined);\n let accessorFn;\n\n if (resolvedColumnDef.accessorFn) {\n
accessorFn = resolvedColumnDef.accessorFn;\n } else if (accessorKey) {\n // Support deep accessor keys\n if
(accessorKey.includes('.')) {\n accessorFn = originalRow => {\n let result = originalRow;\n\n for (const
key of accessorKey.split('.')) {\n result = result[key];\n }\n\n return result;\n }; \n } else {\n
accessorFn = originalRow => originalRow[resolvedColumnDef.accessorKey];\n }\n }\n\n if (!id) {\n if
(process.env.NODE_ENV !== 'production') {\n throw new Error(resolvedColumnDef.accessorFn ? `Columns
require an id when using an accessorFn` : `Columns require an id when using a non-string header`);\n }\n\n
throw new Error();\n }\n\n let column = {\n id: `${String(id)}`, \n accessorFn, \n parent: parent, \n
depth, \n columnDef: resolvedColumnDef, \n columns: [], \n getFlatColumns: memo(() => [true], () => {\n var
_column_$columns;\n\n return [column, ...(((_column_$columns = column.columns) == null ? void 0 :
_column_$columns.flatMap(d => d.getFlatColumns())));\n }}, \n key: process.env.NODE_ENV ===
'production' && 'column.getFlatColumns', \n debug: () => table.options.debugAll ??
table.options.debugColumns\n })), \n getLeafColumns: memo(() => [table._getOrderColumnsFn()],
orderColumns => {\n var _column_$columns2;\n\n if ((_column_$columns2 = column.columns) != null &&
_column_$columns2.length) {\n let leafColumns = column.columns.flatMap(column =>
column.getLeafColumns());\n return orderColumns(leafColumns);\n }\n\n return [column];\n }, \n key:
process.env.NODE_ENV === 'production' && 'column.getLeafColumns', \n debug: () =>
table.options.debugAll ?? table.options.debugColumns\n })\n });\n column = table._features.reduce((obj, feature)
=> {\n return Object.assign(obj, feature.createColumn == null ? void 0 : feature.createColumn(column, table));\n
}, column); // Yes, we have to convert table to unknown, because we know more than the compiler here.\n\n return
column;\n}\n\n/\nfunction createHeader(table, column, options) {\n const id = options.id ?? column.id;\n let
header = {\n id, \n column, \n index: options.index, \n isPlaceholder: !!options.isPlaceholder, \n
placeholderId: options.placeholderId, \n depth: options.depth, \n subHeaders: [], \n colSpan: 0, \n
rowSpan: 0, \n headerGroup: null, \n getLeafHeaders: () => {\n const leafHeaders = [];\n\n const recurseHeader = h => {\n
if (h.subHeaders && h.subHeaders.length) {\n h.subHeaders.map(recurseHeader);\n }\n\n
leafHeaders.push(h);\n }; \n\n recurseHeader(header);\n return leafHeaders;\n }, \n getContext: () =>
({\n table, \n header: header, \n column\n })\n }; \n\n table._features.forEach(feature => {\n
Object.assign(header, feature.createHeader == null ? void 0 : feature.createHeader(header, table));\n });\n\n return
header;\n}\n\nconst Headers = {\n createTable: table => {\n return {\n // Header Groups\n
getHeaderGroups: memo(() => [table.getAllColumns(), table.getVisibleLeafColumns(),
table.getState().columnPinning.left, table.getState().columnPinning.right], (allColumns, leafColumns, left, right) =>
{\n const leftColumns = (left == null ? void 0 : left.map(columnId => leafColumns.find(d => d.id ===
columnId)).filter(Boolean)) ?? [];\n const rightColumns = (right == null ? void 0 : right.map(columnId =>
leafColumns.find(d => d.id === columnId)).filter(Boolean)) ?? [];\n const centerColumns =
leafColumns.filter(column => !(left != null && left.includes(column.id)) && !(right != null &&
right.includes(column.id)));\n const headerGroups = buildHeaderGroups(allColumns, [...leftColumns,
...centerColumns, ...rightColumns], table);\n return headerGroups;\n }, \n key:
process.env.NODE_ENV === 'development' && 'getHeaderGroups', \n debug: () => table.options.debugAll ??
table.options.debugHeaders\n })), \n getCenterHeaderGroups: memo(() => [table.getAllColumns(),
table.getVisibleLeafColumns(), table.getState().columnPinning.left, table.getState().columnPinning.right],
(allColumns, leafColumns, left, right) => {\n leafColumns = leafColumns.filter(column => !(left != null &&
left.includes(column.id)) && !(right != null && right.includes(column.id)));\n return
buildHeaderGroups(allColumns, leafColumns, table, 'center');\n }, \n key: process.env.NODE_ENV ===
'development' && 'getCenterHeaderGroups', \n debug: () => table.options.debugAll ??
table.options.debugHeaders\n })), \n getLeftHeaderGroups: memo(() => [table.getAllColumns(),
table.getVisibleLeafColumns(), table.getState().columnPinning.left], (allColumns, leafColumns, left) => {\n
const orderedLeafColumns = (left == null ? void 0 : left.map(columnId => leafColumns.find(d => d.id ===
columnId)).filter(Boolean)) ?? [];\n return buildHeaderGroups(allColumns, orderedLeafColumns, table, 'left');\n
}

```

```

    }, {\n      key: process.env.NODE_ENV === 'development' && 'getLeftHeaderGroups',\n      debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getRightHeaderGroups: memo(() =>
[table.getAllColumns(), table.getVisibleLeafColumns(), table.getState().columnPinning.right], (allColumns,
leafColumns, right) => {\n      const orderedLeafColumns = (right == null ? void 0 : right.map(columnId =>
leafColumns.find(d => d.id === columnId)).filter(Boolean)) ?? [];\n      return buildHeaderGroups(allColumns,
orderedLeafColumns, table, 'right');\n    }), {\n      key: process.env.NODE_ENV === 'development' &&
'getRightHeaderGroups',\n      debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    //
Footer Groups\n    getFooterGroups: memo(() => [table.getHeaderGroups()], headerGroups => {\n      return
[...headerGroups].reverse();\n    }), {\n      key: process.env.NODE_ENV === 'development' &&
'getFooterGroups',\n      debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getLeftFooterGroups: memo(() => [table.getLeftHeaderGroups()], headerGroups => {\n      return
[...headerGroups].reverse();\n    }), {\n      key: process.env.NODE_ENV === 'development' &&
'getLeftFooterGroups',\n      debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getCenterFooterGroups: memo(() => [table.getCenterHeaderGroups()], headerGroups => {\n      return
[...headerGroups].reverse();\n    }), {\n      key: process.env.NODE_ENV === 'development' &&
'getCenterFooterGroups',\n      debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getRightFooterGroups: memo(() => [table.getRightHeaderGroups()], headerGroups => {\n      return
[...headerGroups].reverse();\n    }), {\n      key: process.env.NODE_ENV === 'development' &&
'getRightFooterGroups',\n      debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    //
Flat Headers\n    getFlatHeaders: memo(() => [table.getHeaderGroups()], headerGroups => {\n      return
headerGroups.map(headerGroup => {\n        return headerGroup.headers;\n      }).flat();\n    }), {\n      key:
process.env.NODE_ENV === 'development' && 'getFlatHeaders',\n      debug: () => table.options.debugAll ??
table.options.debugHeaders\n    }),\n    getLeftFlatHeaders: memo(() => [table.getLeftHeaderGroups()], left =>
{\n      return left.map(headerGroup => {\n        return headerGroup.headers;\n      }).flat();\n    }), {\n      key:
process.env.NODE_ENV === 'development' && 'getLeftFlatHeaders',\n      debug: () => table.options.debugAll ??
table.options.debugHeaders\n    }),\n    getCenterFlatHeaders: memo(() => [table.getCenterHeaderGroups()], left
=> {\n      return left.map(headerGroup => {\n        return headerGroup.headers;\n      }).flat();\n    }), {\n      key:
process.env.NODE_ENV === 'development' && 'getCenterFlatHeaders',\n      debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getRightFlatHeaders: memo(() =>
[table.getRightHeaderGroups()], left => {\n      return left.map(headerGroup => {\n        return
headerGroup.headers;\n      }).flat();\n    }), {\n      key: process.env.NODE_ENV === 'development' &&
'getRightFlatHeaders',\n      debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    // Leaf
Headers\n    getCenterLeafHeaders: memo(() => [table.getCenterFlatHeaders()], flatHeaders => {\n      return
flatHeaders.filter(header => {\n        var _header$subHeaders;\n        return !((_header$subHeaders =
header.subHeaders) != null && _header$subHeaders.length);\n      });\n    }), {\n      key:
process.env.NODE_ENV === 'development' && 'getCenterLeafHeaders',\n      debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getLeftLeafHeaders: memo(() =>
[table.getLeftFlatHeaders()], flatHeaders => {\n      return flatHeaders.filter(header => {\n        var
_header$subHeaders2;\n        return !((_header$subHeaders2 = header.subHeaders) != null &&
_header$subHeaders2.length);\n      });\n    }), {\n      key: process.env.NODE_ENV === 'development' &&
'getLeftLeafHeaders',\n      debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getRightLeafHeaders: memo(() => [table.getRightFlatHeaders()], flatHeaders => {\n      return
flatHeaders.filter(header => {\n        var _header$subHeaders3;\n        return !((_header$subHeaders3 =
header.subHeaders) != null && _header$subHeaders3.length);\n      });\n    }), {\n      key:
process.env.NODE_ENV === 'development' && 'getRightLeafHeaders',\n      debug: () => table.options.debugAll
?? table.options.debugHeaders\n    }),\n    getLeafHeaders: memo(() => [table.getLeftHeaderGroups(),
table.getCenterHeaderGroups(), table.getRightHeaderGroups()], (left, center, right) => {\n      var _left$,
_center$,
_right$;\n      return [...(((_left$ = left[0]) == null ? void 0 : _left$.headers) ?? []), ...(((_center$ = center[0]) ==

```





```

};\n  }\n };\n },\n createTable: table => {\n  return {\n    setColumnSizing: updater =>\n    table.options.onColumnSizingChange == null ? void 0 : table.options.onColumnSizingChange(updater),\n    setColumnSizingInfo: updater => table.options.onColumnSizingInfoChange == null ? void 0 : \n    table.options.onColumnSizingInfoChange(updater),\n    resetColumnSizing: defaultState => {\n    table.setColumnSizing(defaultState ? {} : table.initialState.columnSizing ?? {});\n  },\n  resetHeaderSizeInfo:\n  defaultState => {\n    table.setColumnSizingInfo(defaultState ? getDefaultColumnSizingInfoState() : \n    table.initialState.columnSizingInfo ?? getDefaultColumnSizingInfoState());\n  },\n  getTotalSize: () => {\n    var _table$getHeaderGroup;\n    return ((_table$getHeaderGroup = table.getHeaderGroups()[0]) == null ? void \n    0 : _table$getHeaderGroup.headers.reduce((sum, header) => {\n      return sum + header.getSize();\n    }, 0)) ?? \n    0;\n  },\n  getLeftTotalSize: () => {\n    var _table$getLeftHeaderG;\n    return ((_table$getLeftHeaderG = table.getLeftHeaderGroups()[0]) == null ? void 0 : _table$getLeftHeaderG.headers.reduce((sum, header) => {\n      return sum + header.getSize();\n    }, 0)) ?? 0;\n  },\n  getCenterTotalSize: () => {\n    var \n    _table$getCenterHeade;\n    return ((_table$getCenterHeade = table.getCenterHeaderGroups()[0]) == null ? \n    void 0 : _table$getCenterHeade.headers.reduce((sum, header) => {\n      return sum + header.getSize();\n    }, \n    0)) ?? 0;\n  },\n  getRightTotalSize: () => {\n    var _table$getRightHeader;\n    return \n    ((_table$getRightHeader = table.getRightHeaderGroups()[0]) == null ? void 0 : \n    _table$getRightHeader.headers.reduce((sum, header) => {\n      return sum + header.getSize();\n    }, 0)) ?? 0;\n  }\n  };\n  }\n};\n\nlet passiveSupported = null;\nfunction passiveEventSupported() {\n  if (typeof passiveSupported \n  === 'boolean') return passiveSupported;\n  let supported = false;\n\n  try {\n    const options = {\n      get passive() \n      {\n        supported = true;\n        return false;\n      }\n    };\n\n    const noop = () => {};\n\n    window.addEventListener('test', noop, options);\n    window.removeEventListener('test', noop);\n  } catch (err) {\n    supported = false;\n  }\n\n  passiveSupported = supported;\n  return passiveSupported;\n}\n\nfunction \n  isTouchStartEvent(e) {\n    return e.type === 'touchstart';\n  }\n\n\nconst Expanding = {\n  getInitialState: state => \n  {\n    return {\n      expanded: {},\n      ...state\n    };\n  },\n  getDefaultOptions: table => {\n    return {\n      onExpandedChange: makeStateUpdater('expanded', table),\n      paginateExpandedRows: true\n    };\n  },\n  createTable: table => {\n    let registered = false;\n    let queued = false;\n    return {\n      _autoResetExpanded: () => \n      {\n        if (!registered) {\n          table._queue(() => {\n            registered = true;\n          });\n\n          return;\n        }\n\n        if (table.options.autoResetAll ?? table.options.autoResetExpanded ?? !table.options.manualExpanding) {\n          if (queued) return;\n          queued = true;\n          table._queue(() => {\n            table.resetExpanded();\n            queued = false;\n          });\n        }\n      },\n      setExpanded: updater => table.options.onExpandedChange == null ? \n      void 0 : table.options.onExpandedChange(updater),\n      toggleAllRowsExpanded: expanded => {\n        if \n        (expanded ?? !table.getIsAllRowsExpanded()) {\n          table.setExpanded(true);\n        } else {\n          table.setExpanded({});\n        }\n      },\n      resetExpanded: defaultState => {\n        var _table$initialState;\n        table.setExpanded(defaultState ? {} : ((_table$initialState = table.initialState) == null ? void 0 : \n        _table$initialState.expanded) ?? {});\n      },\n      getCanSomeRowsExpand: () => {\n        return \n        table.getRowModel().flatRows.some(row => row.getCanExpand());\n      },\n      getToggleAllRowsExpandedHandler: () => {\n        return e => {\n          e.persist == null ? void 0 : e.persist();\n          table.toggleAllRowsExpanded();\n        };\n      },\n      getIsSomeRowsExpanded: () => {\n        const expanded = \n        table.getState().expanded;\n        return expanded === true || Object.values(expanded).some(Boolean);\n      },\n      getIsAllRowsExpanded: () => {\n        const expanded = table.getState().expanded; // If expanded is true, save some \n        cycles and return true\n        if (typeof expanded === 'boolean') {\n          return expanded === true;\n        }\n        if (!Object.keys(expanded).length) {\n          return false;\n        } // If any row is not expanded, return false\n        if (table.getRowModel().flatRows.some(row => !row.getIsExpanded())) {\n          return false;\n        } // They must \n        all be expanded :shrug:\n        return true;\n      },\n      getExpandedDepth: () => {\n        let maxDepth = 0;\n        const rowIds = table.getState().expanded === true ? Object.keys(table.getRowModel().rowsById) : \n        Object.keys(table.getState().expanded);\n        rowIds.forEach(id => {\n          const splitId = id.split('.');\n          maxDepth = Math.max(maxDepth, splitId.length);\n        });\n        return maxDepth;\n      },\n      getPreExpandedRowModel: () => table.getSortedRowModel(),\n      getExpandedRowModel: () => {\n        if

```

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(!table._getExpandedRowModel && table.options.getExpandedRowModel) {\n
table._getExpandedRowModel = table.options.getExpandedRowModel(table);\n  }\n  if
(table.options.manualExpanding || !table._getExpandedRowModel) {\n    return
table.getPreExpandedRowModel();\n  }\n  return table._getExpandedRowModel();\n  }\n  };\n  },\n
createRow: (row, table) => {\n    return {\n      toggleExpanded: expanded => {\n        table.setExpanded(old => {\n          const exists = old === true ? true : !(old != null && old[row.id]);\n          let oldExpanded = {};\n          if (old
=== true) {\n            Object.keys(table.getRowModel().rowsById).forEach(rowId => {\n
oldExpanded[rowId] = true;\n            });\n          } else {\n            oldExpanded = old;\n          }\n          expanded =
expanded ?? !exists;\n          if (!exists && expanded) {\n            return { ...oldExpanded,\n              [row.id]: true\n
};\n          }\n          if (exists && !expanded) {\n            const {\n              [row.id]: _,\n              ...rest\n
} = oldExpanded;\n            return rest;\n          }\n          return old;\n        });\n      },\n      getIsExpanded: () => {\n        const expanded = table.getState().expanded;\n        return !((table.options.getIsRowExpanded == null ? void 0 :
table.options.getIsRowExpanded(row)) ?? (expanded === true || expanded != null && expanded[row.id]));\n      },\n      getCanExpand: () => {\n        var _row$subRows;\n        return (table.options.getRowCanExpand == null ? void
0 : table.options.getRowCanExpand(row)) ?? ((table.options.enableExpanding ?? true) && !((_row$subRows =
row.subRows) != null && _row$subRows.length));\n      },\n      getToggleExpandedHandler: () => {\n        const
canExpand = row.getCanExpand();\n        return () => {\n          if (!canExpand) return;\n          row.toggleExpanded();\n        };
      }\n    };\n  }\n};\n\nconst includesString = (row, columnId, filterValue) => {\n  var _row$getValue;\n  const search = filterValue.toLowerCase();\n  return (_row$getValue =
row.getValue(columnId)) == null ? void 0 :
_row$getValue.toLowerCase().includes(search);\n};\n\nincludesString.autoRemove = val =>
testFalsey(val);\n\nconst includesStringSensitive = (row, columnId, filterValue) => {\n  var _row$getValue2;\n  return (_row$getValue2 = row.getValue(columnId)) == null ? void 0 :
_row$getValue2.includes(filterValue);\n};\n\nincludesStringSensitive.autoRemove = val =>
testFalsey(val);\n\nconst equalsString = (row, columnId, filterValue) => {\n  var _row$getValue3;\n  return
((_row$getValue3 = row.getValue(columnId)) == null ? void 0 : _row$getValue3.toLowerCase()) ===
filterValue.toLowerCase();\n};\n\nequalsString.autoRemove = val => testFalsey(val);\n\nconst arrIncludes = (row,
columnId, filterValue) => {\n  var _row$getValue4;\n  return (_row$getValue4 = row.getValue(columnId)) ==
null ? void 0 : _row$getValue4.includes(filterValue);\n};\n\narrIncludes.autoRemove = val => testFalsey(val) ||
!(val != null && val.length);\n\nconst arrIncludesAll = (row, columnId, filterValue) => {\n  return
!filterValue.some(val => {\n    var _row$getValue5;\n    return !((_row$getValue5 = row.getValue(columnId)) !=
null && _row$getValue5.includes(val));\n  });\n};\n\narrIncludesAll.autoRemove = val => testFalsey(val) || !(val !=
null && val.length);\n\nconst arrIncludesSome = (row, columnId, filterValue) => {\n  return filterValue.some(val
=> {\n    var _row$getValue6;\n    return (_row$getValue6 = row.getValue(columnId)) == null ? void 0 :
_row$getValue6.includes(val);\n  });\n};\n\narrIncludesSome.autoRemove = val => testFalsey(val) || !(val != null
&& val.length);\n\nconst equals = (row, columnId, filterValue) => {\n  return row.getValue(columnId) ===
filterValue;\n};\n\nequals.autoRemove = val => testFalsey(val);\n\nconst weakEquals = (row, columnId,
filterValue) => {\n  return row.getValue(columnId) == filterValue;\n};\n\nweakEquals.autoRemove = val =>
testFalsey(val);\n\nconst inNumberRange = (row, columnId, filterValue) => {\n  let [min, max] = filterValue;\n  const rowValue = row.getValue(columnId);\n  return rowValue >= min && rowValue <=
max;\n};\n\ninNumberRange.resolveFilterValue = val => {\n  let [unsafeMin, unsafeMax] = val;\n  let parsedMin =
typeof unsafeMin !== 'number' ? parseFloat(unsafeMin) : unsafeMin;\n  let parsedMax = typeof unsafeMax !==
'number' ? parseFloat(unsafeMax) : unsafeMax;\n  let min = unsafeMin === null || Number.isNaN(parsedMin) ? -
Infinity : parsedMin;\n  let max = unsafeMax === null || Number.isNaN(parsedMax) ? Infinity : parsedMax;\n  if
(min > max) {\n    const temp = min;\n    min = max;\n    max = temp;\n  }\n  return [min,
max];\n};\n\ninNumberRange.autoRemove = val => testFalsey(val) || testFalsey(val[0]) && testFalsey(val[1]); //
Export\n\nconst filterFns = {\n  includesString,\n  includesStringSensitive,\n  equalsString,\n  arrIncludes,\n  arrIncludesAll,\n  arrIncludesSome,\n  equals,\n  weakEquals,\n  inNumberRange\n};\n\n// Utils\nfunction

```

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testFalsey(val) {\n return val === undefined || val === null || val === "";\n}\n\nconst Filters = {\n
getDefaultColumnDef: () => {\n return {\n filterFn: 'auto'\n };\n },\n getInitialState: state => {\n return {\n
columnFilters: [],\n globalFilter: undefined,\n // filtersProgress: 1,\n // facetProgress: {},\n ...state\n
};\n },\n getDefaultOptions: table => {\n return {\n onColumnFiltersChange:
makeStateUpdater('columnFilters', table),\n onGlobalFilterChange: makeStateUpdater('globalFilter', table),\n
filterFromLeafRows: false,\n globalFilterFn: 'auto',\n getColumnCanGlobalFilter: column => {\n var
_table$getCoreRowMode, _table$getCoreRowMode2;\n\n const value = (_table$getCoreRowMode =
table.getCoreRowModel().flatRows[0]) == null ? void 0 : (_table$getCoreRowMode2 =
_table$getCoreRowMode._getAllCellsByColumnId()[column.id]) == null ? void 0 :
_table$getCoreRowMode2.getValue();\n return typeof value === 'string' || typeof value === 'number';\n }
};\n },\n createColumn: (column, table) => {\n return {\n getAutoFilterFn: () => {\n const firstRow =
table.getCoreRowModel().flatRows[0];\n const value = firstRow == null ? void 0 :
firstRow.getValue(column.id);\n\n if (typeof value === 'string') {\n return filterFns.includesString;\n
}\n\n if (typeof value === 'number') {\n return filterFns.inNumberRange;\n }\n\n if (typeof value
=== 'boolean') {\n return filterFns.equals;\n }\n\n if (value !== null && typeof value === 'object') {\n
return filterFns.equals;\n }\n\n if (Array.isArray(value)) {\n return filterFns.arrIncludes;\n
}\n\n return filterFns.weakEquals;\n },\n getFilterFn: () => {\n var _table$options$filter;\n\n
return isFunction(column.columnDef.filterFn) ? column.columnDef.filterFn : column.columnDef.filterFn === 'auto'
? column.getAutoFilterFn() : ((_table$options$filter = table.options.filterFns) == null ? void 0 :
_table$options$filter[column.columnDef.filterFn]) ?? filterFns[column.columnDef.filterFn];\n },\n
getCanFilter: () => {\n return (column.columnDef.enableColumnFilter ?? true) &&
(table.options.enableColumnFilters ?? true) && (table.options.enableFilters ?? true) && !!column.accessorFn;\n
},\n getCanGlobalFilter: () => {\n return (column.columnDef.enableGlobalFilter ?? true) &&
(table.options.enableGlobalFilter ?? true) && (table.options.enableFilters ?? true) &&
((table.options.getColumnCanGlobalFilter == null ? void 0 : table.options.getColumnCanGlobalFilter(column)) ??
true) && !!column.accessorFn;\n },\n getIsFiltered: () => column.getFilterIndex() > -1,\n getFilterValue: ()
=> {\n var _table$getState$column, _table$getState$column2;\n\n return (_table$getState$column =
table.getState().columnFilters) == null ? void 0 : (_table$getState$column2 = _table$getState$column.find(d => d.id
=== column.id)) == null ? void 0 : _table$getState$column2.value;\n },\n getFilterIndex: () => {\n var
_table$getState$column3;\n\n return ((_table$getState$column3 = table.getState().columnFilters) == null ? void 0 :
_table$getState$column3.findIndex(d => d.id === column.id)) ?? -1;\n },\n setFilterValue: value => {\n
table.setColumnFilters(old => {\n const filterFn = column.getFilterFn();\n const previousfilter = old ==
null ? void 0 : old.find(d => d.id === column.id);\n const newFilter = functionalUpdate(value, previousfilter ?
previousfilter.value : undefined); /\n\n if (shouldAutoRemoveFilter(filterFn, newFilter, column)) {\n
return (old == null ? void 0 : old.filter(d => d.id !== column.id)) ?? [];\n }\n\n const newFilterObj = {\n
id: column.id,\n value: newFilter\n };\n\n if (previousfilter) {\n return (old == null ?
void 0 : old.map(d => {\n if (d.id === column.id) {\n return newFilterObj;\n }\n\n
return d;\n })) ?? [];\n }\n\n if (old != null && old.length) {\n return [...old,
newFilterObj];\n }\n\n return [newFilterObj];\n };\n },\n _getFacetedRowModel:
table.options.getFacetedRowModel && table.options.getFacetedRowModel(table, column.id),\n
getFacetedRowModel: () => {\n if (!column._getFacetedRowModel) {\n return
table.getPreFilteredRowModel();\n }\n\n return column._getFacetedRowModel();\n },\n
_getFacetedUniqueValues: table.options.getFacetedUniqueValues && table.options.getFacetedUniqueValues(table,
column.id),\n getFacetedUniqueValues: () => {\n if (!column._getFacetedUniqueValues) {\n return
new Map();\n }\n\n return column._getFacetedUniqueValues();\n },\n _getFacetedMinMaxValues:
table.options.getFacetedMinMaxValues && table.options.getFacetedMinMaxValues(table, column.id),\n
getFacetedMinMaxValues: () => {\n if (!column._getFacetedMinMaxValues) {\n return undefined;\n
}\n\n return column._getFacetedMinMaxValues();\n } // () => [column.getFacetedRowModel()],\n //

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value) {\n    ++count, sum += value;\n  }\n });\n if (count) return sum / count;\n return;\n};\n\nconst median =
(columnId, leafRows) => {\n if (!leafRows.length) {\n return;\n }\n\n let min = 0;\n let max = 0;\n
leafRows.forEach(row => {\n let value = row.getValue(columnId);\n if (typeof value === 'number') {\n
min = Math.min(min, value);\n max = Math.max(max, value);\n }\n });\n return (min + max) / 2;\n};\n\nconst
unique = (columnId, leafRows) => {\n return Array.from(new Set(leafRows.map(d =>
d.getValue(columnId))).values());\n};\n\nconst uniqueCount = (columnId, leafRows) => {\n return new
Set(leafRows.map(d => d.getValue(columnId))).size;\n};\n\nconst count = (_columnId, leafRows) => {\n return
leafRows.length;\n};\n\nconst aggregationFns = {\n sum,\n min,\n max,\n extent,\n mean,\n median,\n unique,\n
uniqueCount,\n count\n};\n\n\nconst Grouping = {\n getDefaultColumnDef: () => {\n return {\n
aggregatedCell: props => {\n var _props$getValue;\n\n return ((_props$getValue = props.getValue()) ==
null ? void 0 : _props$getValue.toString() == null ? void 0 : _props$getValue.toString()) ?? null;\n },\n
aggregationFn: 'auto'\n };,\n },\n getInitialState: state => {\n return {\n grouping: [],\n ...state\n };,\n },\n
getDefaultOptions: table => {\n return {\n onGroupingChange: makeStateUpdater('grouping', table),\n
groupedColumnMode: 'reorder'\n };,\n },\n createColumn: (column, table) => {\n return {\n toggleGrouping:
() => {\n table.setGrouping(old => {\n // Find any existing grouping for this column\n if (old != null
&& old.includes(column.id)) {\n return old.filter(d => d !== column.id);\n }\n\n return [...(old ??
[]), column.id];\n });,\n },\n getCanGroup: () => {\n return column.columnDef.enableGrouping ?? true
?? table.options.enableGrouping ?? true ?? !column.accessorFn;\n },\n getIsGrouped: () => {\n var
_table$getState$group;\n\n return (_table$getState$group = table.getState().grouping) == null ? void 0 :
_table$getState$group.includes(column.id);\n },\n getGroupedIndex: () => {\n var
_table$getState$group2;\n\n return (_table$getState$group2 = table.getState().grouping) == null ? void 0 :
_table$getState$group2.indexOf(column.id);\n },\n getToggleGroupingHandler: () => {\n const canGroup
= column.getCanGroup();\n return () => {\n if (!canGroup) return;\n column.toggleGrouping();\n
};,\n },\n getAutoAggregationFn: () => {\n const firstRow = table.getCoreRowModel().flatRows[0];\n
const value = firstRow == null ? void 0 : firstRow.getValue(column.id);\n if (typeof value === 'number') {\n
return aggregationFns.sum;\n }\n\n if (Object.prototype.toString.call(value) === '[object Date]') {\n
return aggregationFns.extent;\n }\n },\n },\n getAggregationFn: () => {\n var _table$options$aggreg;\n\n
if (!column) {\n throw new Error();\n }\n\n return isFunction(column.columnDef.aggregationFn) ?
column.columnDef.aggregationFn : column.columnDef.aggregationFn === 'auto' ? column.getAutoAggregationFn()
: ((_table$options$aggreg = table.options.aggregationFns) == null ? void 0 :
_table$options$aggreg[column.columnDef.aggregationFn]) ??
aggregationFns[column.columnDef.aggregationFn];\n }\n },\n },\n },\n createTable: table => {\n return {\n
setGrouping: updater => table.options.onGroupingChange == null ? void 0 :
table.options.onGroupingChange(updater),\n resetGrouping: defaultState => {\n var _table$initialState;\n\n
table.setGrouping(defaultState ? [] : ((_table$initialState = table.initialState) == null ? void 0 :
_table$initialState.grouping) ?? []);\n },\n },\n getPreGroupedRowModel: () => table.getFilteredRowModel(),\n
getGroupedRowModel: () => {\n if (!table._getGroupedRowModel && table.options.getGroupedRowModel)
{\n table._getGroupedRowModel = table.options.getGroupedRowModel(table);\n }\n\n if
(table.options.manualGrouping || !table._getGroupedRowModel) {\n return
table.getPreGroupedRowModel();\n }\n\n return table._getGroupedRowModel();\n }\n },\n },\n },\n
createRow: row => {\n return {\n getIsGrouped: () => !!row.groupingColumnId,\n _groupingValuesCache:
{}}\n },\n },\n createCell: (cell, column, row, table) => {\n\n return {\n getIsGrouped: () =>
column.getIsGrouped() && column.id === row.groupingColumnId,\n getIsPlaceholder: () =>
!cell.getIsGrouped() && !cell.getIsPlaceholder() && !((_row$subRows = row.subRows) != null &&
_row$subRows.length);\n }\n },\n },\n },\n\nfunction orderColumns(leafColumns, grouping,
groupedColumnMode) {\n if (!(grouping != null && grouping.length) || !groupedColumnMode) {\n return
leafColumns;\n }\n\n const nonGroupingColumns = leafColumns.filter(col => !grouping.includes(col.id));\n\n if

```







```

const findSelectedRow = (rows: Row[]) => {
  // let found
  // rows.find(d => {
  //   if
  //     (d.getIsSelected()) {
  //       found = d
  //       return true
  //     }
  //   }
  // }
  // const subFound =
  // findSelectedRow(d.subRows || [])
  // if (subFound) {
  //   found = subFound
  //   return
  // true
  // }
  // return false
  // })
  // return found
  // }
  // const firstRow =
  // findSelectedRow(rows) || rows[0]
  // const lastRow = rowsById[rowId]
  // let include = false
  // const selectedRowIds = {}
  // const addRow = (row: Row) => {
  //   mutateRowIsSelected(selectedRowIds, row.id, true, {
  //     rowsById,
  //     selectGroupingRows:
  //     selectGroupingRows!,
  //     selectSubRows: selectSubRows!,
  //   })
  // }
  // table.rows.forEach(row => {
  //   const isFirstRow = row.id === firstRow.id
  //   const isLastRow =
  //   row.id === lastRow.id
  //   if (isFirstRow || isLastRow) {
  //     if (!include) {
  //       include = true
  //     }
  //     } else if (include) {
  //       addRow(row)
  //       include = false
  //     }
  //   }
  //   (include) {
  //     addRow(row)
  //   }
  //   })
  // table.setRowSelection(selectedRowIds)
  // },
  // getPreSelectedRowModel: () => table.getCoreRowModel(),
  // getSelectedRowModel: memo(() =>
  // [table.getState().rowSelection, table.getCoreRowModel()],
  // (rowSelection, rowModel) => {
  //   if
  //     (!Object.keys(rowSelection).length) {
  //       return {
  //         rows: [],
  //         flatRows: [],
  //         rowsById:
  //         {}
  //       };
  //     }
  //     return selectRowsFn(table, rowModel);
  //   }, {
  //     key: process.env.NODE_ENV
  //     === 'development' && 'getSelectedRowModel',
  //     debug: () => table.options.debugAll ??
  //     table.options.debugTable
  //   }),
  // getFilteredSelectedRowModel: memo(() => [table.getState().rowSelection,
  // table.getFilteredRowModel()],
  // (rowSelection, rowModel) => {
  //   if (!Object.keys(rowSelection).length) {
  //     return {
  //       rows: [],
  //       flatRows: [],
  //       rowsById: {}
  //     };
  //   }
  //   return
  //   selectRowsFn(table, rowModel);
  //   }, {
  //     key: process.env.NODE_ENV === 'production' &&
  //     'getFilteredSelectedRowModel',
  //     debug: () => table.options.debugAll ??
  //     table.options.debugTable
  //   }),
  // getGroupedSelectedRowModel: memo(() => [table.getState().rowSelection, table.getSortedRowModel()],
  // (rowSelection, rowModel) => {
  //   if (!Object.keys(rowSelection).length) {
  //     return {
  //       rows: [],
  //       flatRows: [],
  //       rowsById: {}
  //     };
  //   }
  //   return selectRowsFn(table, rowModel);
  //   }, {
  //     key: process.env.NODE_ENV === 'production' && 'getGroupedSelectedRowModel',
  //     debug: () =>
  //     table.options.debugAll ??
  //     table.options.debugTable
  //   }),
  // // getGroupingRowCanSelect: rowId =>
  // // {
  // //   const row = table.getRow(rowId)
  // //   if (!row) {
  // //     throw new Error()
  // //   }
  // //   if
  // //     (typeof table.options.enableGroupingRowSelection === 'function') {
  // //       return
  // //       table.options.enableGroupingRowSelection(row)
  // //     }
  // //     return
  // //     table.options.enableGroupingRowSelection ?? false
  // //   },
  // //   getIsAllRowsSelected: () => {
  // //     const
  // //     preGroupedFlatRows = table.getFilteredRowModel().flatRows;
  // //     const {
  // //       rowSelection
  // //     } =
  // //     table.getState();
  // //     let isAllRowsSelected = Boolean(preGroupedFlatRows.length &&
  // //     Object.keys(rowSelection).length);
  // //     if (isAllRowsSelected) {
  // //       if (preGroupedFlatRows.some(row =>
  // //       row.getCanSelect() && !rowSelection[row.id])) {
  // //         isAllRowsSelected = false;
  // //       }
  // //     }
  // //     return isAllRowsSelected;
  // //   },
  // //   getIsAllPageRowsSelected: () => {
  // //     const paginationFlatRows =
  // //     table.getPaginationRowModel().flatRows;
  // //     const {
  // //       rowSelection
  // //     } = table.getState();
  // //     let
  // //     isAllPageRowsSelected = !!paginationFlatRows.length;
  // //     if (isAllPageRowsSelected &&
  // //     paginationFlatRows.some(row => !rowSelection[row.id])) {
  // //       isAllPageRowsSelected = false;
  // //     }
  // //     return isAllPageRowsSelected;
  // //   },
  // //   getIsSomeRowsSelected: () => {
  // //     const totalSelected =
  // //     Object.keys(table.getState().rowSelection ?? {}).length;
  // //     return totalSelected > 0 && totalSelected <
  // //     table.getFilteredRowModel().flatRows.length;
  // //   },
  // //   getIsSomePageRowsSelected: () => {
  // //     const
  // //     paginationFlatRows = table.getPaginationRowModel().flatRows;
  // //     return table.getIsAllPageRowsSelected() ?
  // //     false :
  // //     paginationFlatRows.some(d => d.getIsSelected() || d.getIsSomeSelected());
  // //   },
  // //   getToggleAllRowsSelectedHandler: () => {
  // //     return e => {
  // //       table.toggleAllRowsSelected(e.target.checked);
  // //     };
  // //   },
  // //   getToggleAllPageRowsSelectedHandler: () =>
  // //   {
  // //     return e => {
  // //       table.toggleAllPageRowsSelected(e.target.checked);
  // //     };
  // //   },
  // //   createRow: (row, table) => {
  // //     return {
  // //       toggleSelected: value => {
  // //         const isSelected =

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row.getIsSelected();\n    table.setRowSelection(old => {\n        value = typeof value !== 'undefined' ? value :\n        !isSelected;\n        if (isSelected === value) {\n            return old;\n        }\n        const selectedRowIds = {\n            ...old\n        };\n        mutateRowIsSelected(selectedRowIds, row.id, value, table);\n        return\n        selectedRowIds;\n    });\n    },\n    getIsSelected: () => {\n        const {\n            rowSelection\n        } =\n        table.getState();\n        return isRowSelected(row, rowSelection);\n    },\n    getIsSomeSelected: () => {\n        const {\n            rowSelection\n        } = table.getState();\n        return isSubRowSelected(row, rowSelection) ===\n        'some';\n    },\n    getIsAllSubRowsSelected: () => {\n        const {\n            rowSelection\n        } =\n        table.getState();\n        return isSubRowSelected(row, rowSelection) === 'all';\n    },\n    getCanSelect: () => {\n        if (typeof table.options.enableRowSelection === 'function') {\n            return\n            table.options.enableRowSelection(row);\n        }\n        return table.options.enableRowSelection ?? true;\n    },\n    getCanSelectSubRows: () => {\n        if (typeof table.options.enableSubRowSelection === 'function') {\n            return\n            table.options.enableSubRowSelection(row);\n        }\n        return table.options.enableSubRowSelection ??\n        true;\n    },\n    getCanMultiSelect: () => {\n        if (typeof table.options.enableMultiRowSelection === 'function')\n        {\n            return\n            table.options.enableMultiRowSelection(row);\n        }\n        return\n        table.options.enableMultiRowSelection ?? true;\n    },\n    getToggleSelectedHandler: () => {\n        const\n        canSelect = row.getCanSelect();\n        return e => {\n            var _target;\n            if (!canSelect) return;\n            row.toggleSelected((_target = e.target) == null ? void 0 : _target.checked);\n        };\n    };\n    });\n    \n    const\n    mutateRowIsSelected = (selectedRowIds, id, value, table) => {\n        var _row$subRows;\n        const row =\n        table.getRow(id); // const isGrouped = row.getIsGrouped() // if ( // TODO: enforce grouping row selection rules\n        // !isGrouped ||\n        // (isGrouped && table.options.enableGroupingRowSelection)\n        // ) {\n        //     if (value) {\n        //         if\n        //         (!row.getCanMultiSelect()) {\n        //             Object.keys(selectedRowIds).forEach(key => delete selectedRowIds[key]);\n        //         }\n        //         if (row.getCanSelect()) {\n        //             selectedRowIds[id] = true;\n        //         } else {\n        //             delete selectedRowIds[id];\n        //         }\n        //     }\n        //     if ((_row$subRows = row.subRows) != null && _row$subRows.length && row.getCanSelectSubRows())\n        //     {\n        //         row.subRows.forEach(row => mutateRowIsSelected(selectedRowIds, row.id, value, table));\n        //     }\n        // }\n        \n        function selectRowsFn(table, rowModel) {\n            const rowSelection = table.getState().rowSelection;\n            const\n            newSelectedFlatRows = [];\n            const newSelectedRowsById = {};\n            // Filters top level and nested rows\n            \n            const\n            recurseRows = function (rows, depth) {\n                return rows.map(row => {\n                    var _row$subRows2;\n                    const\n                    isSelected = isRowSelected(row, rowSelection);\n                    if (isSelected) {\n                        newSelectedFlatRows.push(row);\n                        newSelectedRowsById[row.id] = row;\n                    }\n                    if ((_row$subRows2 = row.subRows) != null &&\n                    _row$subRows2.length) {\n                        row = { ...row,\n                            subRows: recurseRows(row.subRows)\n                        };\n                    }\n                    if (isSelected) {\n                        return row;\n                    }\n                }).filter(Boolean);\n            };\n            \n            return {\n                rows:\n                recurseRows(rowModel.rows),\n                flatRows: newSelectedFlatRows,\n                rowsById: newSelectedRowsById\n            };\n        }\n        \n        function isRowSelected(row, selection) {\n            return selection[row.id] ?? false;\n        }\n        \n        function\n        isSubRowSelected(row, selection, table) {\n            if (row.subRows && row.subRows.length) {\n                let\n                allChildrenSelected = true;\n                let someSelected = false;\n                row.subRows.forEach(subRow => {\n                    // Bail out\n                    early if we know both of these\n                    if (someSelected && !allChildrenSelected) {\n                        return;\n                    }\n                    if\n                    (isRowSelected(subRow, selection)) {\n                        someSelected = true;\n                    } else {\n                        allChildrenSelected = false;\n                    }\n                });\n                return allChildrenSelected ? 'all' : someSelected ? 'some' : false;\n            }\n            return false;\n        }\n        \n        const\n        reSplitAlphaNumeric = /([0-9]+)/gm;\n        \n        const alphanumeric = (rowA, rowB, columnId) => {\n            return\n            compareAlphanumeric(toString(rowA.getValue(columnId)).toLowerCase(),\n            toString(rowB.getValue(columnId)).toLowerCase());\n        };\n        \n        const alphanumericCaseSensitive = (rowA, rowB,\n        columnId) => {\n            return\n            compareAlphanumeric(toString(rowA.getValue(columnId)),\n            toString(rowB.getValue(columnId)));\n        };\n        // The text filter is more basic (less numeric support)\n        // but is much\n        faster\n        \n        const text = (rowA, rowB, columnId) => {\n            return\n            compareBasic(toString(rowA.getValue(columnId)).toLowerCase(),\n            toString(rowB.getValue(columnId)).toLowerCase());\n        };\n        // The text filter is more basic (less numeric support)\n        // but is much\n        faster\n        \n        const textCaseSensitive = (rowA, rowB, columnId) => {\n            return\n            compareBasic(toString(rowA.getValue(columnId)),\n            toString(rowB.getValue(columnId)));\n        };\n        \n        const datetime =

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(rowA, rowB, columnId) => {\n  const a = rowA.getValue(columnId);\n  const b = rowB.getValue(columnId); //
Can handle nullish values\n // Use > and < because == (and ===) doesn't work with\n // Date objects (would
require calling getTime()).\n\n  return a > b ? 1 : a < b ? -1 : 0;\n};\n\nconst basic = (rowA, rowB, columnId) => {\n
return compareBasic(rowA.getValue(columnId), rowB.getValue(columnId));\n}; // Utils\n\n\nfunction
compareBasic(a, b) {\n  return a === b ? 0 : a > b ? 1 : -1;\n}\n\nfunction toString(a) {\n  if (typeof a === 'number')
{\n    if (isNaN(a) || a === Infinity || a === -Infinity) {\n      return '';\n    }\n    return String(a);\n  }\n  if (typeof a
=== 'string') {\n    return a;\n  }\n  return '';\n} // Mixed sorting is slow, but very inclusive of many edge cases.\n//
It handles numbers, mixed alphanumeric combinations, and even\n// null, undefined, and Infinity\n\n\nfunction
compareAlphanumeric(aStr, bStr) {\n  // Split on number groups, but keep the delimiter\n  // Then remove falsey
split values\n  const a = aStr.split(reSplitAlphaNumeric).filter(Boolean);\n  const b =
bStr.split(reSplitAlphaNumeric).filter(Boolean); // While\n\n  while (a.length && b.length) {\n    const aa =
a.shift();\n    const bb = b.shift();\n    const an = parseInt(aa, 10);\n    const bn = parseInt(bb, 10);\n    const combo =
[an, bn].sort(); // Both are string\n\n    if (isNaN(combo[0])) {\n      if (aa > bb) {\n        return 1;\n      }\n      if (bb
> aa) {\n        return -1;\n      }\n      continue;\n    } // One is a string, one is a number\n\n\n    if (isNaN(combo[1]))
{\n      return isNaN(an) ? -1 : 1;\n    } // Both are numbers\n\n\n    if (an > bn) {\n      return 1;\n    }\n    if (bn >
an) {\n      return -1;\n    }\n  }\n  return a.length - b.length;\n} // Exports\n\n\nconst sortingFns = {\n
alphanumeric,\n alphanumericCaseSensitive,\n text,\n textCaseSensitive,\n datetime,\n basic\n};\n\n\nconst
Sorting = {\n  getInitialState: state => {\n    return {\n      sorting: [],\n      ...state\n    }; \n  },\n
getDefaultColumnDef: () => {\n    return {\n      sortingFn: 'auto'\n    }; \n  },\n  getDefaultOptions: table => {\n
return {\n    onSortingChange: makeStateUpdater('sorting', table),\n    isMultiSortEvent: e => {\n      return
e.shiftKey;\n    }\n  }; \n  },\n  createColumn: (column, table) => {\n    return {\n      getAutoSortingFn: () => {\n
const firstRows = table.getFilteredRowModel().flatRows.slice(10);\n      let isString = false;\n\n      for (const
row of firstRows) {\n        const value = row == null ? void 0 : row.getValue(column.id);\n\n        if
(Object.prototype.toString.call(value) === '[object Date]') {\n          return sortingFns.datetime;\n        }\n\n
if (typeof value === 'string') {\n          isString = true;\n\n          if (value.split(reSplitAlphaNumeric).length > 1)
{\n            return sortingFns.alphanumeric;\n          }\n        }\n\n        if (isString) {\n          return
sortingFns.text;\n        }\n        return sortingFns.basic;\n      },\n      getAutoSortDir: () => {\n        const firstRow =
table.getFilteredRowModel().flatRows[0];\n        const value = firstRow == null ? void 0 :
firstRow.getValue(column.id);\n\n        if (typeof value === 'string') {\n          return 'asc';\n        }\n        return
'desc';\n      },\n      getSortingFn: () => {\n        var _table$options$sortin;\n\n        if (!column) {\n          throw new
Error();\n        }\n        return isFunction(column.columnDef.sortingFn) ? column.columnDef.sortingFn :
column.columnDef.sortingFn === 'auto' ? column.getAutoSortingFn() : ((_table$options$sortin =
table.options.sortingFns) === null ? void 0 : _table$options$sortin[column.columnDef.sortingFn]) ??
sortingFns[column.columnDef.sortingFn];\n      },\n      toggleSorting: (desc, multi) => {\n        // if
(column.columns.length) {\n          // column.columns.forEach((c, i) => {\n            // if (c.id) {\n              //
table.toggleColumnSorting(c.id, undefined, multi || !!i)\n            // }\n          // })\n          // return\n        // }\n
// this needs to be outside of table.setSorting to be in sync with re-render\n        const nextSortingOrder =
column.getNextSortingOrder();\n        const hasManualValue = typeof desc !== 'undefined' && desc !== null;\n
table.setSorting(old => {\n          // Find any existing sorting for this column\n          const existingSorting = old ===
null ? void 0 : old.find(d => d.id === column.id);\n          const existingIndex = old === null ? void 0 :
old.findIndex(d => d.id === column.id);\n          let newSorting = []; // What should we do with this sort action?\n\n
          let sortAction;\n          let nextDesc = hasManualValue ? desc : nextSortingOrder === 'desc'; // Multi-mode\n\n
          if (old !== null && old.length && column.getCanMultiSort() && multi) {\n            if (existingSorting) {\n
              sortAction = 'toggle';\n            } else {\n              sortAction = 'add';\n            }\n          } else {\n            // Normal
mode\n            if (old !== null && old.length && existingIndex !== old.length - 1) {\n              sortAction =
'replace';\n            } else if (existingSorting) {\n              sortAction = 'toggle';\n            } else {\n              sortAction
= 'replace';\n            }\n          } // Handle toggle states that will remove the sorting\n\n          if (sortAction ===
'toggle') {\n            // If we are \"actually\" toggling (not a manual set value), should we remove the sorting?\n

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'production' && 'row._getAllVisibleCells',\n    debug: () => table.options.debugAll ?? table.options.debugRows\n
  })),\n  getVisibleCells: memo(() => [row.getLeftVisibleCells(), row.getCenterVisibleCells(),\n
row.getRightVisibleCells()], (left, center, right) => [...left, ...center, ...right], {\n    key: process.env.NODE_ENV
=== 'development' && 'row.getVisibleCells',\n    debug: () => table.options.debugAll ??
table.options.debugRows\n  })),\n  createTable: table => {\n    const makeVisibleColumnsMethod =
(key, getColumns) => {\n    return memo(() => [getColumns(), getColumns().filter(d => d.getIsVisible()).map(d
=> d.id).join('_')], columns => {\n    return columns.filter(d => d.getIsVisible() === null ? void 0 :
d.getIsVisible());\n  }, {\n    key,\n    debug: () => table.options.debugAll ?? table.options.debugColumns\n
  });\n  });\n  return {\n    getVisibleFlatColumns: makeVisibleColumnsMethod('getVisibleFlatColumns', () =>
table.getAllFlatColumns()),\n    getVisibleLeafColumns: makeVisibleColumnsMethod('getVisibleLeafColumns', ()
=> table.getAllLeafColumns()),\n    getLeftVisibleLeafColumns:
makeVisibleColumnsMethod('getLeftVisibleLeafColumns', () => table.getLeftLeafColumns()),\n
getRightVisibleLeafColumns: makeVisibleColumnsMethod('getRightVisibleLeafColumns', () =>
table.getRightLeafColumns()),\n    getCenterVisibleLeafColumns:
makeVisibleColumnsMethod('getCenterVisibleLeafColumns', () => table.getCenterLeafColumns()),\n
setColumnVisibility: updater => table.options.onColumnVisibilityChange === null ? void 0 :
table.options.onColumnVisibilityChange(updater),\n    resetColumnVisibility: defaultState => {\n
table.setColumnVisibility(defaultState ? {} : table.initialState.columnVisibility ?? {});\n  },\n
toggleAllColumnsVisible: value => {\n    value = value ?? !table.getIsAllColumnsVisible();\n
table.setColumnVisibility(table.getAllLeafColumns().reduce((obj, column) => ({ ...obj,\n    [column.id]: !value ?
!(column.getCanHide() !== null && column.getCanHide()) : value\n  }, {}));\n  },\n
getIsAllColumnsVisible: () => !table.getAllLeafColumns().some(column => !(column.getIsVisible() !== null &&
column.getIsVisible())),\n    getIsSomeColumnsVisible: () => table.getAllLeafColumns().some(column =>
column.getIsVisible() === null ? void 0 : column.getIsVisible()),\n    getToggleAllColumnsVisibilityHandler: () =>
{\n    return e => {\n      var _target;\n\n      table.toggleAllColumnsVisible((_target = e.target) === null ? void
0 : _target.checked);\n    }; \n  };\n  }\n};\n\nconst features = [Headers, Visibility, Ordering, Pinning,
Filters, Sorting, Grouping, Expanding, Pagination, RowSelection, ColumnSizing]; //\n\nfunction
createTable(options) {\n  if (options.debugAll || options.debugTable) {\n    console.info('Creating Table
Instance...');\n  }\n\n  let table = {\n    _features: features\n  }; \n\n  const defaultOptions =
table._features.reduce((obj, feature) => {\n    return Object.assign(obj, feature.getDefaultOptions === null ? void 0 :
feature.getDefaultOptions(table));\n  }, {});\n\n  const mergeOptions = options => {\n    if
(table.options.mergeOptions) {\n    return table.options.mergeOptions(defaultOptions, options);\n  } \n\n  return {
...defaultOptions,\n    ...options\n  }; \n\n  const coreInitialState = {};\n  let initialState = {
...coreInitialState,\n    ...(options.initialState ?? {})\n  }; \n\n  table._features.forEach(feature => {\n    initialState =
(feature.getInitialState === null ? void 0 : feature.getInitialState(initialState)) ?? initialState;\n  }); \n\n  const queued
= [];\n  let queuedTimeout = false;\n  const coreInstance = {\n    _features: features,\n    options: {
...defaultOptions,\n    ...options\n  },\n    initialState,\n    _queue: cb => {\n    queued.push(cb);\n\n    if
(!queuedTimeout) {\n    queuedTimeout = true; // Schedule a microtask to run the queued callbacks after\n    //
the current call stack (render, etc) has finished.\n\n    Promise.resolve().then(() => {\n    while (queued.length)
{\n    queued.shift();\n    }\n\n    queuedTimeout = false;\n    }).catch(error => setTimeout(() => {\n
    throw error;\n    }));\n  },\n  },\n  reset: () => {\n    table.setState(table.initialState);\n  },\n
setOptions: updater => {\n    const newOptions = functionalUpdate(updater, table.options);\n    table.options =
mergeOptions(newOptions);\n  },\n  getState: () => {\n    return table.options.state;\n  },\n  setState: updater
=> {\n    table.options.onStateChange === null ? void 0 : table.options.onStateChange(updater);\n  },\n
_getRowId: (row, index, parent) => (table.options.getRowId === null ? void 0 : table.options.getRowId(row, index,
parent)) ?? `${parent ? [parent.id, index].join('.') : index}`,\n    getCoreRowModel: () => {\n    if
(!table._getCoreRowModel) {\n    table._getCoreRowModel = table.options.getCoreRowModel(table);\n    }\n\n    return table._getCoreRowModel();\n  },\n  // The final calls start at the bottom of the model,\n  // expanded

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rows, which then work their way up\n  getRowModel: () => {\n    return table.getPaginationRowModel();\n  },\n  getRow: id => {\n    const row = table.getRowModel().rowsById[id];\n    if (!row) {\n      if\n      (process.env.NODE_ENV !== 'production') {\n        throw new Error(`getRow expected an ID, but got ${id}`);\n      }\n      throw new Error();\n    }\n    return row;\n  },\n  _getDefaultColumnDef: memo(() => [table.options.defaultColumn], defaultColumn => {\n    defaultColumn = defaultColumn ?? {};\n    return {\n      header: props => {\n        const resolvedColumnDef = props.header.column.columnDef;\n        if\n        (resolvedColumnDef.accessorKey) {\n          return resolvedColumnDef.accessorKey;\n        }\n        if\n        (resolvedColumnDef.accessorFn) {\n          return resolvedColumnDef.id;\n        }\n        return null;\n      },\n      // footer: props => props.header.column.id,\n      cell: props => {\n        var _props$renderValue;\n\n        return ((_props$renderValue = props.renderValue()) == null ? void 0 : _props$renderValue.toString() == null ? void 0 : _props$renderValue.toString()) ?? null;\n      },\n      ...table._features.reduce((obj, feature) => {\n        return\n        Object.assign(obj, feature.getDefaultColumnDef == null ? void 0 : feature.getDefaultColumnDef());\n      }, {}),\n      ...defaultColumn\n    };\n  }, {\n    debug: () => table.options.debugAll ?? table.options.debugColumns,\n    key: process.env.NODE_ENV === 'development' && 'getDefaultColumnDef'\n  }),\n  _getColumnDefs: () => table.options.columns,\n  getAllColumns: memo(() => [table._getColumnDefs()], columnDefs => {\n    const\n    recurseColumns = function (columnDefs, parent, depth) {\n      if (depth === void 0) {\n        depth = 0;\n      }\n\n      return columnDefs.map(columnDef => {\n        const column = createColumn(table, columnDef, depth,\n        parent);\n        const groupingColumnDef = columnDef;\n        column.columns = groupingColumnDef.columns ?\n        recurseColumns(groupingColumnDef.columns, column, depth + 1) : [];\n        return column;\n      });\n    };\n\n    return recurseColumns(columnDefs);\n  }, {\n    key: process.env.NODE_ENV === 'development' &&\n    'getAllColumns',\n    debug: () => table.options.debugAll ?? table.options.debugColumns\n  }),\n  getAllFlatColumns: memo(() => [table.getAllColumns()], allColumns => {\n    return allColumns.flatMap(column\n    => {\n      return column.getFlatColumns();\n    });\n  }, {\n    key: process.env.NODE_ENV === 'development'\n    && 'getAllFlatColumns',\n    debug: () => table.options.debugAll ?? table.options.debugColumns\n  }),\n  _getAllFlatColumnsById: memo(() => [table.getAllFlatColumns()], flatColumns => {\n    return\n    flatColumns.reduce((acc, column) => {\n      acc[column.id] = column;\n      return acc;\n    }, {});\n  }, {\n    key: process.env.NODE_ENV === 'development' && 'getAllFlatColumnsById',\n    debug: () =>\n    table.options.debugAll ?? table.options.debugColumns\n  }),\n  getAllLeafColumns: memo(() => [table.getAllColumns(), table._getOrderColumnsFn()], (allColumns, orderColumns) => {\n    let leafColumns =\n    allColumns.flatMap(column => column.getLeafColumns());\n    return orderColumns(leafColumns);\n  }, {\n    key: process.env.NODE_ENV === 'development' && 'getAllLeafColumns',\n    debug: () =>\n    table.options.debugAll ?? table.options.debugColumns\n  }),\n  getColumn: columnId => {\n    const column =\n    table._getAllFlatColumnsById()[columnId];\n\n    if (!column) {\n      if (process.env.NODE_ENV !==\n      'production') {\n        console.warn(`[Table] Column with id ${columnId} does not exist.`);\n      }\n      throw\n      new Error();\n    }\n\n    return column;\n  };\n  Object.assign(table, coreInstance);\n\n  table._features.forEach(feature => {\n    return Object.assign(table, feature.createTable == null ? void 0 :\n    feature.createTable(table));\n  });\n\n  return table;\n}\n\nfunction createCell(table, row, column, columnId) {\n  const\n  getRenderValue = () => cell.getValue() ?? table.options.renderFallbackValue;\n\n  const cell = {\n    id:\n    `${row.id}_${column.id}`, \n    row,\n    column,\n    getValue: () => row.getValue(columnId), \n    renderValue:\n    getRenderValue,\n    getContext: memo(() => [table, column, row, cell], (table, column, row, cell) => ({\n      table,\n      column,\n      row,\n      cell: cell,\n      getValue: cell.getValue,\n      renderValue: cell.renderValue\n    })), \n    key: process.env.NODE_ENV === 'development' && 'cell.getContext', \n    debug: () =>\n    table.options.debugAll\n  });\n\n  table._features.forEach(feature => {\n    Object.assign(cell,\n    feature.createCell == null ? void 0 : feature.createCell(cell, column, row, table));\n  }, {});\n\n  return\n  cell;\n}\n\nconst createRow = (table, id, original, rowIndex, depth, subRows) => {\n  let row = {\n    id,\n    index:\n    rowIndex,\n    original,\n    depth,\n    _valuesCache: {}, \n    getValue: columnId => {\n      if\n      (row._valuesCache.hasOwnProperty(columnId)) {\n        return row._valuesCache[columnId];\n      }\n      const\n      column = table.getColumn(columnId);\n\n      if (!column.accessorFn) {\n        return undefined;\n      }\n    }\n  };\n}

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row._valuesCache[columnId] = column.accessorFn(row.original, rowIndex);\n    return
row._valuesCache[columnId];\n  },\n  renderValue: columnId => row.getValue(columnId) ??
table.options.renderFallbackValue,\n  subRows: subRows ?? [],\n  getLeafRows: () => flattenBy(row.subRows, d
=> d.subRows),\n  getAllCells: memo(() => [table.getAllLeafColumns()], leafColumns => {\n    return
leafColumns.map(column => {\n      return createCell(table, row, column, column.id);\n    });\n  }, {\n    key:
process.env.NODE_ENV === 'development' && 'row.getAllCells',\n    debug: () => table.options.debugAll ??
table.options.debugRows\n  }),\n  _getAllCellsByColumnId: memo(() => [row.getAllCells()], allCells => {\n
return allCells.reduce((acc, cell) => {\n    acc[cell.column.id] = cell;\n    return acc;\n  }, {});\n  }, {\n
key: process.env.NODE_ENV === 'production' && 'row.getAllCellsByColumnId',\n  debug: () =>
table.options.debugAll ?? table.options.debugRows\n  })\n};\n\nfor (let i = 0; i < table._features.length; i++) {\n
const feature = table._features[i];\n  Object.assign(row, feature == null ? void 0 : feature.createRow == null ? void
0 : feature.createRow(row, table));\n}\n\nreturn row;\n};\n\n// type Person = {\n//   firstName: string\n//
lastName: string\n//   age: number\n//   visits: number\n//   status: string\n//   progress: number\n//   createdAt:
Date\n//   nested: {\n//     foo: [\n//       {\n//         bar: 'bar'\n//       }]\n//     bar: { subBar: boolean }[]\n//     baz:
{\n//       foo: 'foo'\n//       bar: {\n//         baz: 'baz'\n//       }\n//     }\n//   }\n// }\n\nconst test: DeepKeys<Person> =
'nested.foo.0.bar'\nconst test2: DeepKeys<Person> = 'nested.bar'\nconst helper =
createColumnHelper<Person>()\nconst helper.accessor('nested.foo', {\n  cell: info => info.getValue(),\n})\nconst
helper.accessor('nested.foo.0.bar', {\n  cell: info => info.getValue(),\n})\nconst helper.accessor('nested.bar', {\n
cell: info => info.getValue(),\n})\nfunction createColumnHelper() {\n  return {\n    accessor: (accessor, column)
=> {\n      return typeof accessor === 'function' ? { ...column,\n        accessorFn: accessor\n      } : { ...column,\n
accessorKey: accessor\n    };\n  },\n  display: column => column,\n  group: column => column\n
};\n}\n\nfunction getCoreRowModel() {\n  return table => memo(() => [table.options.data], data => {\n    const
rowModel = {\n      rows: [],\n      flatRows: [],\n      rowsById: {};\n    };\n\n    const accessRows = function
(originalRows, depth, parent) {\n      if (depth === void 0) {\n        depth = 0;\n      }\n\n      const rows = [];\n
for (let i = 0; i < originalRows.length; i++) {\n        // This could be an expensive check at scale, so we should move
it somewhere else, but where?\n        // if (!id) {\n        //   if (process.env.NODE_ENV !== 'production') {\n        //
throw new Error(`getRowId expected an ID, but got ${id}`)\n        // }\n        // }\n        // Make the row\n        const
row = createRow(table, table._getRowId(originalRows[i], i, parent), originalRows[i], i, depth); // Keep track of
every row in a flat array\n        rowModel.flatRows.push(row); // Also keep track of every row by its ID\n        rowModel.rowsById[row.id] = row; // Push table row into parent\n        rows.push(row); // Get the original
subrows\n        if (table.options.getSubRows) {\n          var _row$originalSubRows;\n          row.originalSubRows =
table.options.getSubRows(originalRows[i], i); // Then recursively access them\n          if
((_row$originalSubRows = row.originalSubRows) != null && _row$originalSubRows.length) {\n            row.subRows =
accessRows(row.originalSubRows, depth + 1, row);\n          }\n        }\n        return rows;\n      };\n\n      rowModel.rows = accessRows(data);\n      return rowModel;\n    }, {\n      key: process.env.NODE_ENV ===
'development' && 'getRowModel',\n      debug: () => table.options.debugAll ?? table.options.debugTable,\n
onChange: () => {\n        table._autoResetPageIndex();\n      }\n    });\n}\n\nfunction filterRows(rows, filterRowImpl,
table) {\n  if (table.options.filterFromLeafRows) {\n    return filterRowModelFromLeafs(rows, filterRowImpl,
table);\n  }\n  return filterRowModelFromRoot(rows, filterRowImpl, table);\n}\n\nfunction
filterRowModelFromLeafs(rowsToFilter, filterRow, table) {\n  const newFilteredFlatRows = [];\n  const
newFilteredRowsById = {};\n\n  const recurseFilterRows = function (rowsToFilter, depth) {\n    const rows = []; //
Filter from children up first\n    for (let i = 0; i < rowsToFilter.length; i++) {\n      var _row$subRows;\n\n      let
row = rowsToFilter[i];\n\n      if ((_row$subRows = row.subRows) != null && _row$subRows.length) {\n        const
newRow = createRow(table, row.id, row.original, row.index, row.depth);\n        newRow.columnFilters =
row.columnFilters;\n        newRow.subRows = recurseFilterRows(row.subRows);\n\n        if
(!newRow.subRows.length) {\n          continue;\n        }\n        row = newRow;\n      }\n\n      if (filterRow(row))
{\n        rows.push(row);\n        newFilteredRowsById[row.id] = row;\n        newFilteredRowsById[i] = row;\n      }\n
}\n\n    return rows;\n  };\n\n  return {\n    rows: recurseFilterRows(rowsToFilter),\n    flatRows:

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newFilteredFlatRows,\n  rowsById: newFilteredRowsById\n  };\n}\nfunction
filterRowModelFromRoot(rowsToFilter, filterRow, table) {\n  const newFilteredFlatRows = [];\n  const
newFilteredRowsById = {};\n  // Filters top level and nested rows\n\n  const recurseFilterRows = function
(rowsToFilter, depth) {\n\n    // Filter from parents downward first\n    const rows = [];\n    // Apply the filter to any
subRows\n\n    for (let i = 0; i < rowsToFilter.length; i++) {\n      let row = rowsToFilter[i];\n      const pass =
filterRow(row);\n\n      if (pass) {\n        var _row$subRows2;\n\n        if ((_row$subRows2 = row.subRows) != null
&& _row$subRows2.length) {\n          const newRow = createRow(table, row.id, row.original, row.index,
row.depth);\n          newRow.subRows = recurseFilterRows(row.subRows);\n          row = newRow;\n        }\n\n        rows.push(row);\n        newFilteredFlatRows.push(row);\n        newFilteredRowsById[row.id] = row;\n      }\n\n    }\n\n    return rows;\n  };\n\n  return {\n    rows: recurseFilterRows(rowsToFilter),\n    flatRows:
newFilteredFlatRows,\n    rowsById: newFilteredRowsById\n  };\n}\n\nfunction getFilteredRowModel() {\n  return
table => memo(() => [table.getPreFilteredRowModel(), table.getState().columnFilters, table.getState().globalFilter],
(rowModel, columnFilters, globalFilter) => {\n    if (!rowModel.rows.length || !(columnFilters != null &&
columnFilters.length) && !globalFilter) {\n      for (let i = 0; i < rowModel.flatRows.length; i++) {\n
rowModel.flatRows[i].columnFilters = {};\n      rowModel.flatRows[i].columnFiltersMeta = {};\n    }\n\n    return rowModel;\n  };\n\n  const resolvedColumnFilters = [];\n  const resolvedGlobalFilters = [];\n
(columnFilters ?? []).forEach(d => {\n    const column = table.getColumn(d.id);\n\n    if (!column) {\n      if
(process.env.NODE_ENV !== 'production') {\n        console.warn(`Table: Could not find a column to filter with
columnId: ${d.id}`);\n      }\n    }\n\n    const filterFn = column.getFilterFn();\n\n    if (!filterFn) {\n      if
(process.env.NODE_ENV !== 'production') {\n        console.warn(`Could not find a valid 'column.filterFn' for
column with the ID: ${column.id}`);\n      }\n\n      return;\n    }\n\n    resolvedColumnFilters.push({\n      id:
d.id,\n      filterFn,\n      resolvedValue: (filterFn.resolveFilterValue == null ? void 0 :
filterFn.resolveFilterValue(d.value)) ?? d.value\n    });\n  });\n\n  const filterableIds = columnFilters.map(d =>
d.id);\n  const globalFilterFn = table.getGlobalFilterFn();\n  const globallyFilterableColumns =
table.getAllLeafColumns().filter(column => column.getCanGlobalFilter());\n\n  if (globalFilter && globalFilterFn
&& globallyFilterableColumns.length) {\n    filterableIds.push('__global__');\n
globallyFilterableColumns.forEach(column => {\n      resolvedGlobalFilters.push({\n        id: column.id,\n
filterFn: globalFilterFn,\n        resolvedValue: (globalFilterFn.resolveFilterValue == null ? void 0 :
globalFilterFn.resolveFilterValue(globalFilter)) ?? globalFilter\n      });\n    });\n  }\n\n  let
currentColumnFilter;\n  let currentGlobalFilter;\n  // Flag the prefiltered row model with each filter state\n\n  for (let
j = 0; j < rowModel.flatRows.length; j++) {\n    const row = rowModel.flatRows[j];\n    row.columnFilters =
{};\n\n    if (resolvedColumnFilters.length) {\n      for (let i = 0; i < resolvedColumnFilters.length; i++) {\n
currentColumnFilter = resolvedColumnFilters[i];\n      const id = currentColumnFilter.id;\n      // Tag the row with the
column filter state\n\n      row.columnFilters[id] = currentColumnFilter.filterFn(row, id,
currentColumnFilter.resolvedValue, filterMeta => {\n        row.columnFiltersMeta[id] = filterMeta;\n      });\n
    }\n\n    if (resolvedGlobalFilters.length) {\n      for (let i = 0; i < resolvedGlobalFilters.length; i++) {\n
currentGlobalFilter = resolvedGlobalFilters[i];\n      const id = currentGlobalFilter.id;\n      // Tag the row with the
first truthy global filter state\n\n      if (currentGlobalFilter.filterFn(row, id, currentGlobalFilter.resolvedValue,
filterMeta => {\n        row.columnFiltersMeta[id] = filterMeta;\n      })) {\n
row.columnFilters.__global__ = true;\n        break;\n      }\n    }\n\n    if (row.columnFilters.__global__
!== true) {\n      row.columnFilters.__global__ = false;\n    }\n\n    const filterRowsImpl = row =>
{\n      // Horizontally filter rows through each column\n      for (let i = 0; i < filterableIds.length; i++) {\n        if
(row.columnFilters[filterableIds[i]] === false) {\n          return false;\n        }\n      }\n\n      return true;\n    }; // Filter
final rows using all of the active filters\n\n    return filterRows(rowModel.rows, filterRowsImpl, table);\n  }, {\n
key: process.env.NODE_ENV === 'development' && 'getFilteredRowModel',\n  debug: () =>
table.options.debugAll ?? table.options.debugTable,\n  onChange: () => {\n    table._autoResetPageIndex();\n
  }\n});\n}\n\nfunction getFacetedRowModel() {\n  return (table, columnId) => memo(() =>
[table.getPreFilteredRowModel(), table.getState().columnFilters, table.getState().globalFilter,

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table.getFilteredRowModel(), (preRowModel, columnFilters, globalFilter) => {\n  if (!preRowModel.rows.length
|| !(columnFilters != null && columnFilters.length) && !globalFilter) {\n    return preRowModel;\n  }\n\n  const
filterableIds = [...columnFilters.map(d => d.id).filter(d => d !== columnId), globalFilter ? '__global__' :
undefined].filter(Boolean);\n\n  const filterRowsImpl = row => {\n    // Horizontally filter rows through each
column\n    for (let i = 0; i < filterableIds.length; i++) {\n      if (row.columnFilters[filterableIds[i]] === false) {\n
return false;\n      }\n    }\n\n    return true;\n  };\n\n  return filterRows(preRowModel.rows,
filterRowsImpl, table);\n }, {\n  key: process.env.NODE_ENV === 'development' && 'getFacetedRowModel_' +
columnId,\n  debug: () => table.options.debugAll ?? table.options.debugTable,\n  onChange: () => {\n
}});\n\n\nfunction getFacetedUniqueValues() {\n  return (table, columnId) => memo(() =>
[table.getColumn(columnId).getFacetedRowModel()], facetedRowModel => {\n    let facetedUniqueValues = new
Map();\n\n    for (let i = 0; i < facetedRowModel.flatRows.length; i++) {\n      var _facetedRowModel$flat;\n\n
const value = (_facetedRowModel$flat = facetedRowModel.flatRows[i]) == null ? void 0 :
_facetedRowModel$flat.getValue(columnId);\n\n      if (facetedUniqueValues.has(value)) {\n
facetedUniqueValues.set(value, (facetedUniqueValues.get(value) ?? 0) + 1);\n      } else {\n
facetedUniqueValues.set(value, 1);\n      }\n    }\n\n    return facetedUniqueValues;\n  }, {\n  key:
process.env.NODE_ENV === 'development' && 'getFacetedUniqueValues_' + columnId,\n  debug: () =>
table.options.debugAll ?? table.options.debugTable,\n  onChange: () => {\n  }});\n\n\nfunction
getFacetedMinMaxValues() {\n  return (table, columnId) => memo(() =>
[table.getColumn(columnId).getFacetedRowModel()], facetedRowModel => {\n    var _facetedRowModel$flat;\n\n
const firstValue = (_facetedRowModel$flat = facetedRowModel.flatRows[0]) == null ? void 0 :
_facetedRowModel$flat.getValue(columnId);\n\n    if (typeof firstValue === 'undefined') {\n      return undefined;\n
}\n\n    let facetedMinMaxValues = [firstValue, firstValue];\n\n    for (let i = 0; i <
facetedRowModel.flatRows.length; i++) {\n      const value =
facetedRowModel.flatRows[i].getValue(columnId);\n\n      if (value < facetedMinMaxValues[0]) {\n
facetedMinMaxValues[0] = value;\n      } else if (value > facetedMinMaxValues[1]) {\n
facetedMinMaxValues[1] = value;\n      }\n    }\n\n    return facetedMinMaxValues;\n  }, {\n  key:
process.env.NODE_ENV === 'development' && 'getFacetedMinMaxValues_' + columnId,\n  debug: () =>
table.options.debugAll ?? table.options.debugTable,\n  onChange: () => {\n  }});\n\n\nfunction
getSortedRowModel() {\n  return table => memo(() => [table.getState().sorting, table.getPreSortedRowModel()],
(sorting, rowModel) => {\n    if (!rowModel.rows.length || !(sorting != null && sorting.length)) {\n      return
rowModel;\n    }\n\n    const sortingState = table.getState().sorting;\n    const sortedFlatRows = []; // Filter out
sortings that correspond to non existing columns\n\n    const availableSorting = sortingState.filter(sort =>
table.getColumn(sort.id).getCanSort());\n    const columnInfoById = {};\n    availableSorting.forEach(sortEntry =>
{\n      const column = table.getColumn(sortEntry.id);\n      columnInfoById[sortEntry.id] = {\n        sortUndefined:
column.columnDef.sortUndefined,\n        invertSorting: column.columnDef.invertSorting,\n        sortingFn:
column.getSortingFn()\n      };\n    });\n\n    const sortData = rows => {\n      // This will also perform a stable sorting
using the row index\n      // if needed.\n      const sortedData = rows.slice();\n      sortedData.sort((rowA, rowB) =>
{\n        for (let i = 0; i < availableSorting.length; i += 1) {\n          const sortEntry = availableSorting[i];\n
const columnInfo = columnInfoById[sortEntry.id];\n          const isDesc = (sortEntry == null ? void 0 :
sortEntry.desc) ?? false;\n          if (columnInfo.sortUndefined) {\n            const aValue =
rowA.getValue(sortEntry.id);\n            const bValue = rowB.getValue(sortEntry.id);\n            const aUndefined =
typeof aValue === 'undefined';\n            const bUndefined = typeof bValue === 'undefined';\n            if
(aUndefined || bUndefined) {\n              return aUndefined && bUndefined ? 0 : aUndefined ?
columnInfo.sortUndefined : -columnInfo.sortUndefined;\n            }\n          } // This function should always return in
ascending order\n\n          let sortInt = columnInfo.sortingFn(rowA, rowB, sortEntry.id);\n          if (sortInt !== 0)
{\n            if (isDesc) {\n              sortInt *= -1;\n            }\n            if (columnInfo.invertSorting) {\n
sortInt *= -1;\n            }\n            return sortInt;\n          }\n          return rowA.index - rowB.index;\n        });\n
// If there are sub-rows, sort them\n      sortedData.forEach(row => {\n        sortedFlatRows.push(row);\n        if

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(!row.subRows || row.subRows.length <= 1) {\n      return;\n    }\n\n    row.subRows =
sortData(row.subRows);\n  });\n  return sortedData;\n};\n\n return {\n  rows:
sortData(rowModel.rows),\n  flatRows: sortedFlatRows,\n  rowsById: rowModel.rowsById\n  };\n }, {\n
key: process.env.NODE_ENV === 'development' && 'getSortedRowModel',\n  debug: () =>
table.options.debugAll ?? table.options.debugTable,\n  onChange: () => {\n    table._autoResetPageIndex();\n
  }\n  });\n}\n\nfunction getGroupedRowModel() {\n  return table => memo(() => [table.getState().grouping,
table.getPreGroupedRowModel()], (grouping, rowModel) => {\n    if (!rowModel.rows.length || !grouping.length)
{\n      return rowModel;\n    } // Filter the grouping list down to columns that exist\n\n\n    const existingGrouping =
grouping.filter(columnId => table.getColumn(columnId));\n    const groupedFlatRows = [];\n    const
groupedRowsById = {};\n    // const onlyGroupedFlatRows: Row[] = [];\n    // const onlyGroupedRowsById:
Record<RowId, Row> = {};\n    // const nonGroupedFlatRows: Row[] = [];\n    // const nonGroupedRowsById:
Record<RowId, Row> = {};\n    // Recursively group the data\n\n    const groupUpRecursively = function (rows,
depth, parentId) {\n      if (depth === void 0) {\n        depth = 0;\n      }\n\n      // Grouping depth has been met\n
// Stop grouping and simply rewrite thd depth and row relationships\n      if (depth >= existingGrouping.length)
{\n        return rows.map(row => {\n          row.depth = depth;\n          groupedFlatRows.push(row);\n
groupedRowsById[row.id] = row;\n\n          if (row.subRows) {\n            row.subRows =
groupUpRecursively(row.subRows, depth + 1);\n          }\n\n          return row;\n        });\n      }\n\n      const
columnId = existingGrouping[depth]; // Group the rows together for this level\n\n      const rowGroupsMap =
groupBy(rows, columnId); // Perform aggregations for each group\n\n      const aggregatedGroupedRows =
Array.from(rowGroupsMap.entries()).map((_ref, index) => {\n        let [groupingValue, groupedRows] = _ref;\n
let id = `${columnId}:${groupingValue}`;\n        id = parentId ? `${parentId}>${id}` : id; // First, Recurse to group
sub rows before aggregation\n\n        const subRows = groupUpRecursively(groupedRows, depth + 1, id); // Flatten
the leaf rows of the rows in this group\n\n        const leafRows = depth ? flattenBy(groupedRows, row =>
row.subRows) : groupedRows;\n        const row = createRow(table, id, leafRows[0].original, index, depth);\n
Object.assign(row, {\n          groupingColumnId: columnId,\n          groupingValue,\n          subRows,\n
leafRows,\n          getValue: columnId => {\n            // Don't aggregate columns that are in the grouping\n            if
(existingGrouping.includes(columnId)) {\n              if (row._valuesCache.hasOwnProperty(columnId)) {\n
return row._valuesCache[columnId];\n            }\n\n            if (groupedRows[0]) {\n
return row._valuesCache[columnId] = groupedRows[0].getValue(columnId) ?? undefined;\n            }\n\n            return
row._valuesCache[columnId];\n          }\n\n          if (row._groupingValuesCache.hasOwnProperty(columnId)) {\n
return row._groupingValuesCache[columnId];\n          } // Aggregate the values\n\n\n          const column
= table.getColumn(columnId);\n          const aggregateFn = column.getAggregationFn();\n          if
(aggregateFn) {\n            row._groupingValuesCache[columnId] = aggregateFn(columnId, leafRows,
groupedRows);\n            return row._groupingValuesCache[columnId];\n          }\n        });\n      }\n
subRows.forEach(subRow => {\n        groupedFlatRows.push(subRow);\n        groupedRowsById[subRow.id] =
subRow;\n        // if (subRow.getIsGrouped?.()) {\n          // onlyGroupedFlatRows.push(subRow);\n          //
onlyGroupedRowsById[subRow.id] = subRow;\n          // } else {\n            //
nonGroupedFlatRows.push(subRow);\n            // nonGroupedRowsById[subRow.id] = subRow;\n            // }\n
});\n      return row;\n    });\n    return aggregatedGroupedRows;\n  });\n\n  const groupedRows =
groupUpRecursively(rowModel.rows, 0, "");\n  groupedRows.forEach(subRow => {\n
groupedFlatRows.push(subRow);\n    groupedRowsById[subRow.id] = subRow;\n    // if (subRow.getIsGrouped?.())
{\n      // onlyGroupedFlatRows.push(subRow);\n      // onlyGroupedRowsById[subRow.id] = subRow;\n      // }
else {\n        // nonGroupedFlatRows.push(subRow);\n        // nonGroupedRowsById[subRow.id] = subRow;\n      }\n
});\n  return {\n    rows: groupedRows,\n    flatRows: groupedFlatRows,\n    rowsById:
groupedRowsById\n  };\n }, {\n  key: process.env.NODE_ENV === 'development' &&
'getGroupedRowModel',\n  debug: () => table.options.debugAll ?? table.options.debugTable,\n  onChange: () =>
{\n    table._queue(() => {\n      table._autoResetExpanded();\n      table._autoResetPageIndex();\n    });\n  }\n
});\n}\n\nfunction groupBy(rows, columnId) {\n  const groupMap = new Map();\n  return rows.reduce((map,

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row) => {\n  const resKey = `${row.getValue(columnId)}`;\n  const previous = map.get(resKey);\n\n  if
(!previous) {\n    map.set(resKey, [row]);\n  } else {\n    map.set(resKey, [...previous, row]);\n  }\n\n  return
map;\n }, groupMap);\n}\n\nfunction getExpandedRowModel() {\n  return table => memo(() =>
[table.getState().expanded, table.getPreExpandedRowModel(), table.options.paginateExpandedRows], (expanded,
rowModel, paginateExpandedRows) => {\n    if (!rowModel.rows.length || expanded !== true &&
!Object.keys(expanded ?? {}).length) {\n      return rowModel;\n    }\n\n    if (!paginateExpandedRows) {\n      //
Only expand rows at this point if they are being paginated\n      return rowModel;\n    }\n\n    return
expandRows(rowModel);\n  }, {\n    key: process.env.NODE_ENV === 'development' &&
'getExpandedRowModel',\n    debug: () => table.options.debugAll ?? table.options.debugTable\n  });\n}\n\nfunction
expandRows(rowModel) {\n  const expandedRows = [];\n\n  const handleRow = row => {\n    var
_row$subRows;\n\n    expandedRows.push(row);\n\n    if ((_row$subRows = row.subRows) != null &&
_row$subRows.length && row.getIsExpanded()) {\n      row.subRows.forEach(handleRow);\n    }\n  };\n\n  rowModel.rows.forEach(handleRow);\n  return {\n    rows: expandedRows,\n    flatRows: rowModel.flatRows,\n
rowsById: rowModel.rowsById\n  };\n}\n\nfunction getPaginationRowModel(opts) {\n  return table => memo(() =>
[table.getState().pagination, table.getPrePaginationRowModel(), table.options.paginateExpandedRows ? undefined :
table.getState().expanded], (pagination, rowModel) => {\n    if (!rowModel.rows.length) {\n      return rowModel;\n
}\n\n    const {\n      pageSize,\n      pageIndex\n    } = pagination;\n    let {\n      rows,\n      flatRows,\n
rowsById\n    } = rowModel;\n    const pageStart = pageSize * pageIndex;\n    const pageEnd = pageStart +
pageSize;\n    rows = rows.slice(pageStart, pageEnd);\n    let paginatedRowModel;\n\n    if
(!table.options.paginateExpandedRows) {\n      paginatedRowModel = expandRows({\n        rows,\n
flatRows,\n        rowsById\n      });\n    } else {\n      paginatedRowModel = {\n        rows,\n        flatRows,\n
rowsById\n      };\n    }\n\n    paginatedRowModel.flatRows = [];\n\n    const handleRow = row => {\n
paginatedRowModel.flatRows.push(row);\n\n    if (row.subRows.length) {\n
row.subRows.forEach(handleRow);\n    }\n  };\n\n  paginatedRowModel.rows.forEach(handleRow);\n  return
paginatedRowModel;\n }, {\n   key: process.env.NODE_ENV === 'development' && 'getPaginationRowModel',\n
  debug: () => table.options.debugAll ?? table.options.debugTable\n });\n}\n\nexport { ColumnSizing, Expanding,
Filters, Grouping, Headers, Ordering, Pagination, Pinning, RowSelection, Sorting, Visibility, aggregationFns,
buildHeaderGroups, createCell, createColumn, createColumnHelper, createRow, createTable, defaultColumnSizing,
expandRows, filterFns, flattenBy, functionalUpdate, getCoreRowModel, getExpandedRowModel,
getFacetedMinMaxValues, getFacetedRowModel, getFacetedUniqueValues, getFilteredRowModel,
getGroupedRowModel, getPaginationRowModel, getSortedRowModel, isFunction, isRowSelected,
isSubRowSelected, makeStateUpdater, memo, noop, orderColumns, passiveEventSupported, reSplitAlphaNumeric,
selectRowsFn, shouldAutoRemoveFilter, sortingFns };\n\n// sourceMappingURL=index.js.map\n"<script>\nexport
let content;\n</script>\n\n{content}" , "import type { SvelteComponentDev } from 'svelte/internal'\n\nimport {
create_ssr_component, escape } from 'svelte/internal'\n\nimport PlaceholderClient from './placeholder.svelte'\n\ntype
X = typeof PlaceholderClient\n\nconst PlaceholderServer = create_ssr_component(\n  ($$result: any, $$props: any,
$$bindings: any, slots: any) => {\n    return `${escape($$props.content)}`\n  }) as any as typeof
SvelteComponentDev\n\nexport default typeof document === 'undefined'\n  ? PlaceholderServer\n  :
PlaceholderClient\n", "import {\n  SvelteComponent,\n  claim_component,\n  create_component,\n
destroy_component,\n  init,\n  mount_component,\n  noop,\n  safe_not_equal,\n  transition_in,\n  transition_out,\n
create_ssr_component,\n  validate_component,\n} from 'svelte/internal'\n\nfunction create_fragment(ctx: any,
Comp: any, props: any) {\n  let c: any\n  let current: any\n  c = new Comp({ props, $$inline: true })\n\n  return {\n
c()\n    create_component(c.$$fragment)\n  },\n  l(nodes: any) {\n    claim_component(c.$$fragment,
nodes)\n  },\n  m(target: any, anchor: any) {\n    // @ts-ignore\n    mount_component(c, target, anchor)\n
current = true\n  },\n  p: noop,\n  i(local: any) {\n    if (current) return\n    transition_in(c.$$fragment, local)\n
current = true\n  },\n  o(local: any) {\n    transition_out(c.$$fragment, local)\n    current = false\n  },\n
d(detaching: any) {\n    destroy_component(c, detaching)\n  },\n  }\n}\n\nfunction renderClient(Comp: any,
props: any): any {\n  return class WrapperComp extends SvelteComponent {\n    constructor(options: any) {\n

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D,SAAS,IAAI,GAAG;AAChB,CAAC;AACD,SAAS,gBAAgB,CAAC,GAAG,EAAE,QAAQ,EAAE;AACzC,EAAE,OOAO,OOAO,IAAI;AACpB,IAAI,QAAQ,CAAC,QAAQ,CAAC,GAAG,IAAI;AAC7B,MAAM,OOAO,EAAE,GAAG,GAAG;AACrB,QAAQ,CAAC,GAAG,GAAG,gBAAgB,CAAC,OOAO,EAAE,GAAG,CAAC,GAAG,CAAC,CAAC;AACID,OOAO,CAAC;AACR,KAAK,CAAC,CAAC;AACp,GAAG,CAAC;AACJ,CAAC;AACD,SAAS,UAAU,CAAC,CAAC,EAAE;AACvB,EAAE,OOAO,CAAC,YAAY,QAAQ,CAAC;AAC/B,CAAC;AACD,SAAS,SAAS,CAAC,GAAG,EAAE,WAAW,EAAE;AACrC,EAAE,MAAM,IAAI,GAAG,EAAE,CAAC;AACIB;AACAE,MAAM,OOAO,GAAG,MAAM,IAAI;AAC5B,IAAI,MAAM,CAAC,OOAO,CAAC,IAAI,IAAI;AAC3B,MAAM,IAAI,CAAC,IAAI,CAAC,IAAI,CAAC,CAAC;AACtB,MAAM,MAAM,QAAQ,GAAG,WAAW,CAAC,IAAI,CAAC,CAAC;AACzC;AACAE,MAAM,IAAI,QAAQ,IAAI,IAAI,IAAI,QAAQ,CAAC,MAAM,EAAE;AAC/C,QAAQ,OOAO,CAAC,QAAQ,CAAC,CAAC;AAC1B,OOAO;AACp,KAAK,CAAC,CAAC;AACp,GAAG,CAAC;AACJ;AACAE,EAAE,OOAO,CAAC,GAAG,CAAC,CAAC;AACf,EAAE,OOAO,IAAI,CAAC;AACd,CAAC;AACD,SAAS,IAAI,CAAC,OOAO,EAAE,EAAE,EAAE,IAAI,EAAE;AACjC,EAAE,IAAI,IAAI,GAAG,EAAE,CAAC;AAChB,EAAE,IAAI,MAAM,CAAC;AACb,EAAE,OOAO,MAAM;AACf,IAAI,IAAI,OOAO,CAAC;AAChB,IAAI,IAAI,IAAI,CAAC,GAAG,IAAI,IAAI,CAAC,KAAK,EAAE,OOAO,GAAG,IAAI,CAAC,GAAG,EAAE,CAAC;AACrD,IAAI,MAAM,OOAO,GAAG,OOAO,EAAE,CAAC;AAC9B,IAAI,MAAM,WAAW,GAAG,OOAO,CAAC,MAAM,KAAK,IAAI,CAAC,MAAM,IAAI,OOAO,CAAC,IAAI,CAAC,CAAC,GAAG,EAAE,KAAK,KAAK,IAAI,CAAC,KAAK,CAAC,KAAK,GAAG,CAAC,CAAC;AAC5G;AACAE,IAAI,IAAI,CAAC,WAAW,EAAE;AACtB,MAAM,OOAO,MAAM,CAAC;AACpB,KAAK;AACL;AACAE,IAAI,IAAI,GAAG,OOAO,CAAC;AACnB,IAAI,IAAI,UAAU,CAAC;AACnB,IAAI,IAAI,IAAI,CAAC,GAAG,IAAI,IAAI,CAAC,KAAK,EAAE,UAAU,GAAG,IAAI,CAAC,GAAG,EAAE,CAAC;AACxD,IAAI,MAAM,GAAG,EAAE,CAAC,GAAG,OOAO,CAAC,CAAC;AAC5B,IAAI,IAAI,IAAI,IAAI,GAAG,KAAK,CAAC,GAAG,IAAI,CAAC,QAAQ,IAAI,IAAI,GAAG,KAAK,CAAC,GAAG,IAAI,CAAC,QAAQ,CAAC,MAAM,CAAC,CAAC;AACnF;AACAE,IAAI,IAAI,IAAI,IAAI,IAAI,CAAC,KAAK,EAAE,EAAE;AACxC,QAAQ,MAAM,UAAU,GAAG,IAAI,CAAC,KAAK,CAAC,CAAC,IAAI,GAAG,CAAC,GAAG,UAAU,IAAI,GAAG,CAAC,GAAG,GAAG,CAAC;AAChF,QAAQ,MAAM,mBAAmB,GAAG,aAAa,GAAG,EAAE,CAAC;AACvD;AACAE,QAAQ,MAAM,GAAG,GAAG,CAAC,GAAG,EAAE,GAAG,KAAK;AACIC,UAAU,GAAG,GAAG,MAAM,CAAC,GAAG,CAAC,CAAC;AAC5B;AACAE,UAAU,OOAO,GAAG,CAAC,MAAM,GAAG,GAAG,EAAE;AACnC,YAAY,GAAG,GAAG,GAAG,GAAG,GAAG,CAAC;AAC5B,WAAW;AACX;AACAE,UAAU,OOAO,GAAG,CAAC;AACrB,SAAS,CAAC;AACV;AACAE,QAAQ,OOAO,CAAC,IAAI,CAAC,CAAC,IAAI,EAAE,GAAG,CAAC,aAAa,EAAE,CAAC,CAAC,CAAC,EAAE,EAAE,GAAG,CAAC,UAAU,EAAE,CAAC,CAAC,CAAC,GAAG,CAAC,EAAE,CAAC;AAChF;AACAE;AACAE,uBAAuB,EAAE,IAAI,CAAC,GAAG,CAAC,CAAC,EAAE,IAAI,CAAC,GAAG,CAAC,GAAG,GAAG,GAAG,GAAG,mBAAmB,EAAE,GAAG,CAAC,CAAC,CAAC,cAAc,CAAC,EAAE,IAAI,IAAI,IAAI,GAAG,KAAK,CAAC,GAAG,IAAI,CAAC,GAAG,CAAC,CAAC;AACxI,OOAO;AACp,KAAK;AACL;AACAE,IAAI,OOAO,MAAM,CAAC;AACIB,GAAG,CAAC;AACJ,CAAC;AACD;AACAE,SAAS,YAAY,CAAC,KAAK,EAAE,SAAS,EAAE,KAAK,EAAE,MAAM,EAAE;AACvD,EAAE,MAAM,aAAa,GAAG,KAAK,CAAC,oBAAoB,EAAE,CAAC;AACrD;AACAE,EAAE,MAAM,iBAAiB,GAAG,EAAE,GAAG,aAAa;AAC9C,IAAI,GAAG,SAAS;AAChB,GAAG,CAAC;AACJ,EAAE,MAAM,WAAW,GAAG,iBAAiB,CAAC,WAAW,CAAC;AACpD,EAAE,IAAI,EAAE,GAAG,iBAAiB,CAAC,EAAE,KAAK,WAAW,GAAG,WAAW,CAAC,OOAO,CAAC,GAAG,EAAE,GAAG,CAAC,GAAG,SAAS,CAAC,KAAK,OOAO,iBAAiB,CAAC,MAAM,KAAK,QAAQ,GAAG,iBAAiB,CAAC,MAAM,GAAG,SAAS,CAAC,CAAC;AAcL,EAAE,IAAI,UAAU,CAAC;AACjB;AACAE,EAAE,IAAI,iBAAiB,CAAC,UAAU,EAAE;AACpC,IAAI,UAAU,GAAG,iBAAiB,CAAC,UAAU,CAAC;AAC9C,GAAG,MAAM,IAAI,WAAW,EAAE;AAC1B;AACAE,IAAI,IAAI,WAAW,CAAC,QAAQ,CAAC,GAAG,CAAC,EAAE;AACnC,MAAM,UAAU,GAAG,WAAW,IAAI;AACIC,QAAQ,IAAI,MAAM,GAAG,WAAW,CAAC;AACjC;AACAE,QAAQ,KAAK,MAAM,GAAG,IAAI,WAAW,CAAC,KAAK,CAAC,GAAG,CAAC,EAAE;AACID,UAAU,MAAM,GAAG,MAAM,CAAC,GAAG,CAAC,CAAC;AAC/B,SAAS;AACT;AACAE,QAAQ,OOAO,MAAM,CAAC;AACtB,OOAO,CAAC;AACR,KAAK,MAAM;AACX,MAAM,UAAU,GAAG,WAAW,IAAI,WAAW,CAAC,iBAAiB,CAAC,WAAW,CAAC,CAAC;AAC7E,KAAK;AACL,GA

AG;AACH;AACA,EAAE,IAAI,CAAC,EAAE,EAAE;AACX,IAAI,IAAI,OAAO,CAAC,GAAG,CAAC,QAAQ,KA  
AK,YAAE,EAAE;AAC/C,MAAM,MAAM,IAAI,KAAK,CAAC,iBAAiB,CAAC,UAAU,GAAG,CAAC,8CAA8C,  
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E,MAAM,CAAC,EAAE,CAAC,CAAC,CAAC;AACvB,IAAI,UAAU;AACd,IAAI,MAAM,EAAE,MAAM;AACiB  
,IAAI,KAAK;AACT,IAAI,SAAS,EAAE,iBAAiB;AACHC,IAAI,OAAO,EAAE,EAAE;AACf,IAAI,cAAc,EAAE,I  
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,CAAC,GAAG,eAAe,CAAC,OAAO,CAAC,CAAC,IAAI,CAAC,CAAC,cAAc,EAAE,CAAC,CAAC,CAAC,CAA  
C;AACnI,KAAK,EAAE;AACP,MAAM,GAAG,EAAE,OAAO,CAAC,GAAG,CAAC,QAAQ,KAAK,YAAE,IAAI,  
uBAAuB;AAC3E,MAAM,KAAK,EAAE,MAAM,KAAK,CAAC,OAAO,CAAC,QAAQ,IAAI,KAAK,CAAC,OAA  
O,CAAC,YAAE;AACvE,KAAK,CAAC;AACN,IAAI,cAAc,EAAE,IAAI,CAAC,MAAM,CAAC,KAAK,CAAC,k  
BAakB,EAAE,CAAC,EAAE,YAAE,IAAI;AAC7E,MAAM,IAAI,gBAAgB,CAAC;AAC3B;AACA,MAAM,IAAI,  
CAAC,gBAAgB,GAAG,MAAM,CAAC,OAAO,KAAK,IAAI,IAAI,gBAAgB,CAAC,MAAM,EAAE;AACIF,QAA  
Q,IAAI,WAAW,GAAG,MAAM,CAAC,OAAO,CAAC,OAAO,CAAC,MAAM,IAAI,MAAM,CAAC,cAAc,EAAE,  
CAAC,CAAC;AACpF,QAAQ,OAAO,YAAE,CAAC,WAAW,CAAC,CAAC;AACzC,OAAO;AACP;AACA,MAA  
M,OAAO,CAAC,MAAM,CAAC,CAAC;AACtB,KAAK,EAAE;AACP,MAAM,GAAG,EAAE,OAAO,CAAC,GA  
AG,CAAC,QAAQ,KAAK,YAAE,IAAI,uBAAuB;AAC3E,MAAM,KAAK,EAAE,MAAM,KAAK,CAAC,OAAO,  
CAAC,QAAQ,IAAI,KAAK,CAAC,OAAO,CAAC,YAAE;AACvE,KAAK,CAAC;AACN,GAAG,CAAC;AACJ,E  
AAE,MAAM,GAAG,KAAK,CAAC,SAAS,CAAC,MAAM,CAAC,CAAC,GAAG,EAAE,OAAO,KAAK;AACpD,I  
AAI,OAAO,MAAM,CAAC,MAAM,CAAC,GAAG,EAAE,OAAO,CAAC,YAAE,IAAI,IAAI,GAAG,KAAK,CAA  
C,GAAG,OAAO,CAAC,YAAE,CAAC,MAAM,EAAE,KAAK,CAAC,CAAC,CAAC;AAC3G,GAAG,EAAE,MA  
AM,CAAC,CAAC;AACb;AACA,EAAE,OAAO,MAAM,CAAC;AACHB,CAAC;AACD;AACA;AACA,SAAS,YA  
AY,CAAC,KAAK,EAAE,MAAM,EAAE,OAAO,EAAE;AAC9C,EAAE,MAAM,EAAE,GAAG,OAAO,CAAC,EA  
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No license file was found, but licenses were detected in source scan.

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table-core\n *\n * Copyright (c) TanStack\n *\n * This source code is licensed under the MIT license found in the\n *\n * LICENSE.md file in the root directory of this source tree.\n *\n * @license MIT\n */\n\n// Is this type a tuple?\n// If this type is a tuple, what indices are allowed?\n\nfunction functionalUpdate(updater, input) {\n  return typeof\n  updater === 'function' ? updater(input) : updater;\n}\n\nfunction noop() {\n  //\n}\n\nfunction makeStateUpdater(key, instance) {\n  return updater => {\n    instance.setState(old => {\n      return { ...old, [key]:\n        functionalUpdate(updater, old[key])\n      }; \n    });\n  };\n}\n\nfunction isFunction(d) {\n  return d instanceof\n  Function;\n}\n\nfunction flattenBy(arr, getChildren) {\n  const flat = [];\n  const recurse = subArr => {\n
```

```

subArr.forEach(item => {\n  flat.push(item);\n  const children = getChildren(item);\n\n  if (children != null
&& children.length) {\n    recurse(children);\n  }\n });\n\n recurse(arr);\n return flat;\n}\nfunction
memo(getDeps, fn, opts) {\n  let deps = [];\n  let result;\n  return () => {\n    let depTime;\n    if (opts.key &&
opts.debug) depTime = Date.now();\n    const newDeps = getDeps();\n    const depsChanged = newDeps.length !==
deps.length || newDeps.some((dep, index) => deps[index] !== dep);\n\n    if (!depsChanged) {\n      return result;\n
}\n\n    deps = newDeps;\n    let resultTime;\n    if (opts.key && opts.debug) resultTime = Date.now();\n    result =
fn(...newDeps);\n    opts == null ? void 0 : opts.onChange == null ? void 0 : opts.onChange(result);\n\n    if (opts.key
&& opts.debug) {\n      if (opts != null && opts.debug()) {\n        const depEndTime = Math.round((Date.now() -
depTime) * 100) / 100;\n        const resultEndTime = Math.round((Date.now() - resultTime) * 100) / 100;\n
const resultFpsPercentage = resultEndTime / 16;\n\n        const pad = (str, num) => {\n          str = String(str);\n
          while (str.length < num) {\n            str = ' ' + str;\n          }\n          return str;\n        };\n\n        console.info(`%c
${pad(resultEndTime, 5)} / ${pad(depEndTime, 5)} ms`, `\n          font-size: .6rem;\n          font-weight: bold;\n
          color: hsl(${Math.max(0, Math.min(120 - 120 * resultFpsPercentage, 120))}deg 100% 31%);`, opts == null ?
void 0 : opts.key);\n      }\n    }\n\n    return result;\n  };\n}\n\nfunction createColumn(table, columnDef, depth,
parent) {\n  const defaultColumn = table._getDefaultColumnDef();\n\n  const resolvedColumnDef = {
...defaultColumn,\n  ...columnDef\n };\n  const accessorKey = resolvedColumnDef.accessorKey;\n  let id =
resolvedColumnDef.id ?? (accessorKey ? accessorKey.replace('.', '_') : undefined) ?? (typeof
resolvedColumnDef.header === 'string' ? resolvedColumnDef.header : undefined);\n  let accessorFn;\n\n  if
(resolvedColumnDef.accessorFn) {\n    accessorFn = resolvedColumnDef.accessorFn;\n  } else if (accessorKey) {\n
// Support deep accessor keys\n  if (accessorKey.includes('.')) {\n    accessorFn = originalRow => {\n      let
result = originalRow;\n\n      for (const key of accessorKey.split('.')) {\n        result = result[key];\n      }\n
return result;\n    }; \n  } else {\n    accessorFn = originalRow =>
originalRow[resolvedColumnDef.accessorKey];\n  }\n}\n\n  if (!id) {\n    if (process.env.NODE_ENV !==
'production') {\n      throw new Error(resolvedColumnDef.accessorFn ? `Columns require an id when using an
accessorFn` : `Columns require an id when using a non-string header`);\n    }\n\n    throw new Error();\n  }\n\n  let
column = {\n    id: `${String(id)}`,\n    accessorFn,\n    parent: parent,\n    depth,\n    columnDef:
resolvedColumnDef,\n    columns: [],\n    getFlatColumns: memo(() => [true], () => {\n      var
_column_$columns;\n\n      return [column, ...((_column_$columns = column.columns) == null ? void 0 :
_column_$columns.flatMap(d => d.getFlatColumns()))];\n    }), {\n      key: process.env.NODE_ENV ===
'production' && 'column.getFlatColumns',\n      debug: () => table.options.debugAll ??
table.options.debugColumns\n    }),\n    getLeafColumns: memo(() => [table._getOrderColumnsFn()],
orderColumns => {\n      var _column_$columns2;\n\n      if ((_column_$columns2 = column.columns) != null &&
_column_$columns2.length) {\n        let leafColumns = column.columns.flatMap(column =>
column.getLeafColumns());\n        return orderColumns(leafColumns);\n      }\n\n      return [column];\n    }), {\n
key: process.env.NODE_ENV === 'production' && 'column.getLeafColumns',\n      debug: () =>
table.options.debugAll ?? table.options.debugColumns\n    })\n  };\n  column = table._features.reduce((obj, feature)
=> {\n    return Object.assign(obj, feature.createColumn == null ? void 0 : feature.createColumn(column, table));\n
}, column);\n  // Yes, we have to convert table to unknown, because we know more than the compiler here.\n\n  return
column;\n}\n\nfunction createHeader(table, column, options) {\n  const id = options.id ?? column.id;\n  let
header = {\n    id,\n    column,\n    index: options.index,\n    isPlaceholder: !!options.isPlaceholder,\n
placeholderId: options.placeholderId,\n    depth: options.depth,\n    subHeaders: [],\n    colSpan: 0,\n    rowSpan: 0,\n
headerGroup: null,\n    getLeafHeaders: () => {\n      const leafHeaders = [];\n\n      const recurseHeader = h => {\n
        if (h.subHeaders && h.subHeaders.length) {\n          h.subHeaders.map(recurseHeader);\n        }\n\n
leafHeaders.push(h);\n      };\n\n      recurseHeader(header);\n      return leafHeaders;\n    },\n    getContext: () =>
({\n      table,\n      header: header,\n      column\n    })\n  };\n\n  table._features.forEach(feature => {\n
Object.assign(header, feature.createHeader == null ? void 0 : feature.createHeader(header, table));\n  });\n\n  return
header;\n}\n\nconst Headers = {\n  createTable: table => {\n    return {\n      // Header Groups\n      getHeaderGroups: memo(() => [table.getAllColumns(), table.getVisibleLeafColumns(),

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table.getState().columnPinning.left, table.getState().columnPinning.right], (allColumns, leafColumns, left, right) =>
{\n    const leftColumns = (left == null ? void 0 : left.map(columnId => leafColumns.find(d => d.id ===
columnId)).filter(Boolean)) ?? [];\n    const rightColumns = (right == null ? void 0 : right.map(columnId =>
leafColumns.find(d => d.id === columnId)).filter(Boolean)) ?? [];\n    const centerColumns =
leafColumns.filter(column => !(left != null && left.includes(column.id)) && !(right != null &&
right.includes(column.id)));\n    const headerGroups = buildHeaderGroups(allColumns, [...leftColumns,
...centerColumns, ...rightColumns], table);\n    return headerGroups;\n  }, {\n    key:
process.env.NODE_ENV === 'development' && 'getHeaderGroups',\n    debug: () => table.options.debugAll ??
table.options.debugHeaders\n  }),\n  getCenterHeaderGroups: memo(() => [table.getAllColumns(),
table.getVisibleLeafColumns(), table.getState().columnPinning.left, table.getState().columnPinning.right],
(allColumns, leafColumns, left, right) => {\n    leafColumns = leafColumns.filter(column => !(left != null &&
left.includes(column.id)) && !(right != null && right.includes(column.id)));\n    return
buildHeaderGroups(allColumns, leafColumns, table, 'center');\n  }, {\n    key: process.env.NODE_ENV ===
'development' && 'getCenterHeaderGroups',\n    debug: () => table.options.debugAll ??
table.options.debugHeaders\n  }),\n  getLeftHeaderGroups: memo(() => [table.getAllColumns(),
table.getVisibleLeafColumns(), table.getState().columnPinning.left], (allColumns, leafColumns, left) => {\n
const orderedLeafColumns = (left == null ? void 0 : left.map(columnId => leafColumns.find(d => d.id ===
columnId)).filter(Boolean)) ?? [];\n    return buildHeaderGroups(allColumns, orderedLeafColumns, table, 'left');\n
  }, {\n    key: process.env.NODE_ENV === 'development' && 'getLeftHeaderGroups',\n    debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n  }),\n  getRightHeaderGroups: memo(() =>
[table.getAllColumns(), table.getVisibleLeafColumns(), table.getState().columnPinning.right], (allColumns,
leafColumns, right) => {\n    const orderedLeafColumns = (right == null ? void 0 : right.map(columnId =>
leafColumns.find(d => d.id === columnId)).filter(Boolean)) ?? [];\n    return buildHeaderGroups(allColumns,
orderedLeafColumns, table, 'right');\n  }, {\n    key: process.env.NODE_ENV === 'development' &&
'getRightHeaderGroups',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n  }),\n //
Footer Groups\n  getFooterGroups: memo(() => [table.getHeaderGroups()], headerGroups => {\n    return
[...headerGroups].reverse();\n  }, {\n    key: process.env.NODE_ENV === 'development' &&
'getFooterGroups',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n  }),\n
getLeftFooterGroups: memo(() => [table.getLeftHeaderGroups()], headerGroups => {\n    return
[...headerGroups].reverse();\n  }, {\n    key: process.env.NODE_ENV === 'development' &&
'getLeftFooterGroups',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n  }),\n
getCenterFooterGroups: memo(() => [table.getCenterHeaderGroups()], headerGroups => {\n    return
[...headerGroups].reverse();\n  }, {\n    key: process.env.NODE_ENV === 'development' &&
'getCenterFooterGroups',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n  }),\n
getRightFooterGroups: memo(() => [table.getRightHeaderGroups()], headerGroups => {\n    return
[...headerGroups].reverse();\n  }, {\n    key: process.env.NODE_ENV === 'development' &&
'getRightFooterGroups',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n  }),\n //
Flat Headers\n  getFlatHeaders: memo(() => [table.getHeaderGroups()], headerGroups => {\n    return
headerGroups.map(headerGroup => {\n    return headerGroup.headers;\n  }).flat();\n  }, {\n    key:
process.env.NODE_ENV === 'development' && 'getFlatHeaders',\n    debug: () => table.options.debugAll ??
table.options.debugHeaders\n  }),\n  getLeftFlatHeaders: memo(() => [table.getLeftHeaderGroups()], left =>
{\n    return left.map(headerGroup => {\n    return headerGroup.headers;\n  }).flat();\n  }, {\n    key:
process.env.NODE_ENV === 'development' && 'getLeftFlatHeaders',\n    debug: () => table.options.debugAll ??
table.options.debugHeaders\n  }),\n  getCenterFlatHeaders: memo(() => [table.getCenterHeaderGroups()], left
=> {\n    return left.map(headerGroup => {\n    return headerGroup.headers;\n  }).flat();\n  }, {\n    key:
process.env.NODE_ENV === 'development' && 'getCenterFlatHeaders',\n    debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n  }),\n  getRightFlatHeaders: memo(() =>
[table.getRightHeaderGroups()], left => {\n    return left.map(headerGroup => {\n    return

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headerGroup.headers;\n    }).flat();\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getRightFlatHeaders',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n    })),\n // Leaf
Headers\n    getCenterLeafHeaders: memo(() => [table.getCenterFlatHeaders(), flatHeaders => {\n    return
flatHeaders.filter(header => {\n    var _header$subHeaders;\n\n    return !((_header$subHeaders =
header.subHeaders) != null && _header$subHeaders.length);\n    });\n    }, {\n    key:
process.env.NODE_ENV === 'development' && 'getCenterLeafHeaders',\n    debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n    })),\n    getLeftLeafHeaders: memo(() =>
[table.getLeftFlatHeaders(), flatHeaders => {\n    return flatHeaders.filter(header => {\n    var
_header$subHeaders2;\n\n    return !((_header$subHeaders2 = header.subHeaders) != null &&
_header$subHeaders2.length);\n    });\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getLeftLeafHeaders',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n    })),\n
getRightLeafHeaders: memo(() => [table.getRightFlatHeaders(), flatHeaders => {\n    return
flatHeaders.filter(header => {\n    var _header$subHeaders3;\n\n    return !((_header$subHeaders3 =
header.subHeaders) != null && _header$subHeaders3.length);\n    });\n    }, {\n    key:
process.env.NODE_ENV === 'development' && 'getRightLeafHeaders',\n    debug: () => table.options.debugAll
?? table.options.debugHeaders\n    })),\n    getLeafHeaders: memo(() => [table.getLeftHeaderGroups(),
table.getCenterHeaderGroups(), table.getRightHeaderGroups()], (left, center, right) => {\n    var _left$, _center$,
_right$;\n\n    return [...(((_left$ = left[0]) == null ? void 0 : _left$.headers) ?? []), ...(((_center$ = center[0]) ==
null ? void 0 : _center$.headers) ?? []), ...(((_right$ = right[0]) == null ? void 0 : _right$.headers) ?? [])].map(header
=> {\n    return header.getLeafHeaders();\n    }).flat();\n    }, {\n    key: process.env.NODE_ENV ===
'development' && 'getLeafHeaders',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n
    })),\n    }\n};\n\nfunction buildHeaderGroups(allColumns, columnsToGroup, table, headerFamily) {\n var
_headerGroups$;\n\n // Find the max depth of the columns:\n // build the leaf column row\n // build each buffer
row going up\n // placeholder for non-existent level\n // real column for existing level\n let maxDepth = 0;\n\n
const findMaxDepth = function (columns, depth) {\n if (depth === void 0) {\n depth = 1;\n }\n\n maxDepth
= Math.max(maxDepth, depth);\n columns.filter(column => column.getIsVisible()).forEach(column => {\n var
_column$columns;\n\n if ((_column$columns = column.columns) != null && _column$columns.length) {\n
findMaxDepth(column.columns, depth + 1);\n }\n }, 0);\n }\n\n findMaxDepth(allColumns);\n let
headerGroups = [];\n\n const createHeaderGroup = (headersToGroup, depth) => {\n // The header group we are
creating\n const headerGroup = {\n depth,\n id: [headerFamily, `${depth}`].filter(Boolean).join('_'),\n
headers: []\n }; // The parent columns we're going to scan next\n\n const pendingParentHeaders = []; // Scan each
column for parents\n\n headersToGroup.forEach(headerToGroup => {\n // What is the latest (last) parent
column?\n const latestPendingParentHeader = [...pendingParentHeaders].reverse()[0];\n const isLeafHeader =
headerToGroup.column.depth === headerGroup.depth;\n let column;\n let isPlaceholder = false;\n\n if
(isLeafHeader && headerToGroup.column.parent) {\n // The parent header is new\n column =
headerToGroup.column.parent;\n } else {\n // The parent header is repeated\n column =
headerToGroup.column;\n isPlaceholder = true;\n }\n\n if (latestPendingParentHeader &&
(latestPendingParentHeader == null ? void 0 : latestPendingParentHeader.column) === column) {\n // This
column is repeated. Add it as a sub header to the next batch\n
latestPendingParentHeader.subHeaders.push(headerToGroup);\n } else {\n // This is a new header. Let's
create it\n const header = createHeader(table, column, {\n id: [headerFamily, depth, column.id,
headerToGroup == null ? void 0 : headerToGroup.id].filter(Boolean).join('_'),\n isPlaceholder,\n
placeholderId: isPlaceholder ? `${pendingParentHeaders.filter(d => d.column === column).length}` : undefined,\n
depth,\n index: pendingParentHeaders.length\n }); // Add the headerToGroup as a subHeader of the
new header\n\n header.subHeaders.push(headerToGroup); // Add the new header to the pendingParentHeaders
to get grouped\n // in the next batch\n\n pendingParentHeaders.push(header);\n }\n\n
headerGroup.headers.push(headerToGroup);\n headerToGroup.headerGroup = headerGroup;\n });\n\n
headerGroups.push(headerGroup);\n\n if (depth > 0) {\n createHeaderGroup(pendingParentHeaders, depth -

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1);\n  }\n };\n\n const bottomHeaders = columnsToGroup.map((column, index) => createHeader(table, column,\n {\n depth: maxDepth,\n index\n }));\n createHeaderGroup(bottomHeaders, maxDepth - 1);\n headerGroups.reverse(); // headerGroups = headerGroups.filter(headerGroup => {\n // return\n !headerGroup.headers.every(header => header.isPlaceholder)\n // })\n\n const recurseHeadersForSpans = headers\n => {\n const filteredHeaders = headers.filter(header => header.column.getIsVisible());\n return\n filteredHeaders.map(header => {\n let colSpan = 0;\n let rowSpan = 0;\n let childRowSpans = [0];\n\n if\n (header.subHeaders && header.subHeaders.length) {\n childRowSpans = [];\n recurseHeadersForSpans(header.subHeaders).forEach(_ref => {\n let {\n colSpan: childColSpan,\n rowSpan: childRowSpan\n } = _ref;\n colSpan += childColSpan;\n childRowSpans.push(childRowSpan);\n });\n } else {\n colSpan = 1;\n }\n\n const\n minChildRowSpan = Math.min(...childRowSpans);\n rowSpan = rowSpan + minChildRowSpan;\n header.colSpan = colSpan;\n header.rowSpan = rowSpan;\n return {\n colSpan,\n rowSpan\n };\n });\n };\n\n recurseHeadersForSpans((_headerGroups$ = headerGroups[0]) == null ? void 0 :\n _headerGroups$.headers) ?? []);\n return headerGroups;\n };\n\n\nconst defaultColumnSizing = {\n size: 150,\n minSize: 20,\n maxSize: Number.MAX_SAFE_INTEGER\n};\n\nconst getDefaultColumnSizingInfoState = () =>\n ({\n startOffset: null,\n startSize: null,\n deltaOffset: null,\n deltaPercentage: null,\n isResizingColumn: false,\n columnSizingStart: []\n});\n\nconst ColumnSizing = {\n getDefaultColumnDef: () => {\n return\n defaultColumnSizing;\n },\n getInitialState: state => {\n return {\n columnSizing: {},\n columnSizingInfo:\n getDefaultColumnSizingInfoState(),\n ...state\n };\n },\n getDefaultOptions: table => {\n return {\n columnResizeMode: 'onEnd',\n onColumnSizingChange: makeStateUpdater('columnSizing', table),\n onColumnSizingInfoChange: makeStateUpdater('columnSizingInfo', table)\n };\n },\n createColumn: (column,\n table) => {\n return {\n getSize: () => {\n const columnSize = table.getState().columnSizing[column.id];\n\n return Math.min(Math.max(column.columnDef.minSize ?? defaultColumnSizing.minSize, columnSize ??\n column.columnDef.size ?? defaultColumnSizing.size), column.columnDef.maxSize ??\n defaultColumnSizing.maxSize);\n },\n getStart: position => {\n const columns = !position ?\n table.getVisibleLeafColumns() : position === 'left' ? table.getLeftVisibleLeafColumns() :\n table.getRightVisibleLeafColumns();\n const index = columns.findIndex(d => d.id === column.id);\n\n if\n (index > 0) {\n const prevSiblingColumn = columns[index - 1];\n return\n prevSiblingColumn.getStart(position) + prevSiblingColumn.getSize();\n }\n\n return 0;\n },\n\n resetSize: () => {\n table.setColumnSizing(_ref => {\n let {\n [column.id]: _,\n ...rest\n } = _ref;\n return rest;\n });\n },\n\n getCanResize: () => {\n return\n (column.columnDef.enableResizing ?? true) && (table.options.enableColumnResizing ?? true);\n },\n\n getIsResizing: () => {\n return table.getState().columnSizingInfo.isResizingColumn === column.id;\n }\n };\n },\n\n createHeader: (header, table) => {\n return {\n getSize: () => {\n let sum = 0;\n\n const\n recurse = header => {\n if (header.subHeaders.length) {\n header.subHeaders.forEach(recurse);\n }\n\n sum += header.column.getSize() ?? 0;\n }\n\n recurse(header);\n return\n sum;\n },\n\n getStart: () => {\n if (header.index > 0) {\n const prevSiblingHeader =\n header.headerGroup.headers[header.index - 1];\n return prevSiblingHeader.getStart() +\n prevSiblingHeader.getSize();\n }\n\n return 0;\n },\n\n getResizeHandler: () => {\n const column =\n table.getColumn(header.column.id);\n const canResize = column.getCanResize();\n return e => {\n if\n (!canResize) {\n return;\n }\n\n e.persist == null ? void 0 : e.persist();\n\n if\n (isTouchStartEvent(e)) {\n // lets not respond to multiple touches (e.g. 2 or 3 fingers)\n\n if (e.touches\n && e.touches.length > 1) {\n return;\n }\n\n }\n\n const startSize = header.getSize();\n\n const columnSizingStart = header ? header.getLeafHeaders().map(d => [d.column.id, d.column.getSize()]) :\n [[column.id, column.getSize()]];\n\n const clientX = isTouchStartEvent(e) ? Math.round(e.touches[0].clientX) :\n e.clientX;\n\n const updateOffset = (eventType, clientXPos) => {\n if (typeof clientXPos !== 'number')\n {\n return;\n }\n\n let newColumnSizing = {};\n\n table.setColumnSizingInfo(old => {\n\n const deltaOffset = clientXPos - ((old == null ? void 0 : old.startOffset) ?? 0);\n\n const deltaPercentage

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void 0 : table.options.onExpandedChange(updater),\n    toggleAllRowsExpanded: expanded => {\n        if
(expanded ?? !table.getIsAllRowsExpanded()) {\n            table.setExpanded(true);\n        } else {\n
table.setExpanded({});\n        }\n    },\n    resetExpanded: defaultState => {\n        var _table$initialState;\n\n        table.setExpanded(defaultState ? {} : ((_table$initialState = table.initialState) == null ? void 0 :
_table$initialState.expanded) ?? {});\n    },\n    getCanSomeRowsExpand: () => {\n        return
table.getRowModel().flatRows.some(row => row.getCanExpand());\n    },\n    getToggleAllRowsExpandedHandler: () => {\n        return e => {\n            e.persist == null ? void 0 : e.persist();\n            table.toggleAllRowsExpanded();\n        };\n    },\n    getIsSomeRowsExpanded: () => {\n        const expanded =
table.getState().expanded;\n        return expanded === true || Object.values(expanded).some(Boolean);\n    },\n    getIsAllRowsExpanded: () => {\n        const expanded = table.getState().expanded; // If expanded is true, save some
cycles and return true\n\n        if (typeof expanded === 'boolean') {\n            return expanded === true;\n        }\n\n        if (!Object.keys(expanded).length) {\n            return false;\n        } // If any row is not expanded, return false\n\n        if (table.getRowModel().flatRows.some(row => !row.getIsExpanded())) {\n            return false;\n        } // They must
all be expanded :shrug:\n\n        return true;\n    },\n    getExpandedDepth: () => {\n        let maxDepth = 0;\n        const rowIds = table.getState().expanded === true ? Object.keys(table.getRowModel().rowsById) :
Object.keys(table.getState().expanded);\n        rowIds.forEach(id => {\n            const splitId = id.split('.);\n            maxDepth = Math.max(maxDepth, splitId.length);\n        });\n        return maxDepth;\n    },\n    getPreExpandedRowModel: () => table.getSortedRowModel(),\n    getExpandedRowModel: () => {\n        if
(!table._getExpandedRowModel && table.options.getExpandedRowModel) {\n            table._getExpandedRowModel = table.options.getExpandedRowModel(table);\n        }\n\n        if
(table.options.manualExpanding || !table._getExpandedRowModel) {\n            return
table.getPreExpandedRowModel();\n        }\n\n        return table._getExpandedRowModel();\n    };\n    },\n    createRow: (row, table) => {\n        return {\n            toggleExpanded: expanded => {\n                table.setExpanded(old => {\n                    const exists = old === true ? true : !(old != null && old[row.id]);\n                    let oldExpanded = {};\n\n                    if (old
=== true) {\n                        Object.keys(table.getRowModel().rowsById).forEach(rowId => {\n                            oldExpanded[rowId] = true;\n                        });\n                    } else {\n                        oldExpanded = old;\n                    }\n\n                    expanded =
expanded ?? !exists;\n\n                    if (!exists && expanded) {\n                        return { ...oldExpanded,\n                            [row.id]: true\n                        };\n                    }\n\n                    if (exists && !expanded) {\n                        const {\n                            [row.id]: _,\n                            ...rest\n                        } = oldExpanded;\n                        return rest;\n                    }\n\n                    return old;\n                };\n            },\n            getIsExpanded: () => {\n                const expanded = table.getState().expanded;\n                return !((table.options.getIsRowExpanded == null ? void 0 :
table.options.getIsRowExpanded(row)) ?? (expanded === true || expanded != null && expanded[row.id]));\n            },\n            getCanExpand: () => {\n                var _row$subRows;\n\n                return (table.options.getRowCanExpand == null ? void
0 : table.options.getRowCanExpand(row)) ?? ((table.options.enableExpanding ?? true) && !((_row$subRows =
row.subRows) != null && _row$subRows.length));\n            },\n            getToggleExpandedHandler: () => {\n                const
canExpand = row.getCanExpand();\n                return () => {\n                    if (!canExpand) return;\n                    row.toggleExpanded();\n                };\n            };\n        };\n    },\n    includesString: (row, columnId, filterValue) => {\n        var _row$getValue;\n\n        const search = filterValue.toLowerCase();\n        return (_row$getValue =
row.getValue(columnId)) == null ? void 0 :\n        _row$getValue.toLowerCase().includes(search);\n    },\n    includesString.autoRemove: val =>
testFalsy(val);\n    },\n    includesStringSensitive: (row, columnId, filterValue) => {\n        var _row$getValue2;\n\n        return (_row$getValue2 = row.getValue(columnId)) == null ? void 0 :\n        _row$getValue2.includes(filterValue);\n    },\n    includesStringSensitive.autoRemove: val =>
testFalsy(val);\n    },\n    equalsString: (row, columnId, filterValue) => {\n        var _row$getValue3;\n\n        return
((_row$getValue3 = row.getValue(columnId)) == null ? void 0 : _row$getValue3.toLowerCase()) ===
filterValue.toLowerCase();\n    },\n    equalsString.autoRemove: val => testFalsy(val);\n    },\n    arrIncludes: (row,
columnId, filterValue) => {\n        var _row$getValue4;\n\n        return (_row$getValue4 = row.getValue(columnId)) ==
null ? void 0 : _row$getValue4.includes(filterValue);\n    },\n    arrIncludes.autoRemove: val => testFalsy(val) ||
!(val != null && val.length);\n    },\n    arrIncludesAll: (row, columnId, filterValue) => {\n        return

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!filterValue.some(val => {\n  var _row$getValue5;\n\n  return !((_row$getValue5 = row.getValue(columnId)) !=
null && _row$getValue5.includes(val));\n });\n};\n\n\narrIncludesAll.autoRemove = val => testFalsy(val) || !(val != null
&& val.length);\n\n\nconst arrIncludesSome = (row, columnId, filterValue) => {\n  return filterValue.some(val
=> {\n  var _row$getValue6;\n\n  return (_row$getValue6 = row.getValue(columnId)) == null ? void 0 :
_row$getValue6.includes(val);\n });\n};\n\n\narrIncludesSome.autoRemove = val => testFalsy(val) || !(val != null
&& val.length);\n\n\nconst equals = (row, columnId, filterValue) => {\n  return row.getValue(columnId) ===
filterValue;\n};\n\n\nequals.autoRemove = val => testFalsy(val);\n\n\nconst weakEquals = (row, columnId,
filterValue) => {\n  return row.getValue(columnId) == filterValue;\n};\n\n\nweakEquals.autoRemove = val =>
testFalsy(val);\n\n\nconst inNumberRange = (row, columnId, filterValue) => {\n  let [min, max] = filterValue;\n
const rowValue = row.getValue(columnId);\n  return rowValue >= min && rowValue <=
max;\n};\n\n\ninNumberRange.resolveFilterValue = val => {\n  let [unsafeMin, unsafeMax] = val;\n  let parsedMin =
typeof unsafeMin !== 'number' ? parseFloat(unsafeMin) : unsafeMin;\n  let parsedMax = typeof unsafeMax !==
'number' ? parseFloat(unsafeMax) : unsafeMax;\n  let min = unsafeMin === null || Number.isNaN(parsedMin) ? -
Infinity : parsedMin;\n  let max = unsafeMax === null || Number.isNaN(parsedMax) ? Infinity : parsedMax;\n  if
(min > max) {\n    const temp = min;\n    min = max;\n    max = temp;\n  }\n\n  return [min,
max];\n};\n\n\ninNumberRange.autoRemove = val => testFalsy(val) || testFalsy(val[0]) && testFalsy(val[1]); //
Export\n\n\nconst filterFns = {\n  includesString,\n  includesStringSensitive,\n  equalsString,\n  arrIncludes,\n
arrIncludesAll,\n  arrIncludesSome,\n  equals,\n  weakEquals,\n  inNumberRange\n};\n\n\n// Utils\n\nfunction
testFalsy(val) {\n  return val === undefined || val === null || val === ";\n}\n\n\n\n\nconst Filters = {\n
getDefaultColumnDef: () => {\n  return {\n    filterFn: 'auto'\n  };\n},\n  getInitialState: state => {\n  return {\n
columnFilters: [],\n    globalFilter: undefined,\n    // filtersProgress: 1,\n    // facetProgress: {},\n    ...state\n
};\n },\n  getDefaultOptions: table => {\n  return {\n    onColumnFiltersChange:
makeStateUpdater('columnFilters', table),\n    onGlobalFilterChange: makeStateUpdater('globalFilter', table),\n
filterFromLeafRows: false,\n    globalFilterFn: 'auto',\n    getColumnCanGlobalFilter: column => {\n  var
_table$getCoreRowMode, _table$getCoreRowMode2;\n\n    const value = (_table$getCoreRowMode =
table.getCoreRowModel().flatRows[0]) == null ? void 0 : (_table$getCoreRowMode2 =
_table$getCoreRowMode._getAllCellsByColumnId()[column.id]) == null ? void 0 :
_table$getCoreRowMode2.getValue();\n    return typeof value === 'string' || typeof value === 'number';\n  }\n
};\n },\n  createColumn: (column, table) => {\n  return {\n    getAutoFilterFn: () => {\n    const firstRow =
table.getCoreRowModel().flatRows[0];\n    const value = firstRow == null ? void 0 :
firstRow.getValue(column.id);\n\n    if (typeof value === 'string') {\n    return filterFns.includesString;\n
}\n\n    if (typeof value === 'number') {\n    return filterFns.inNumberRange;\n  }\n\n    if (typeof value
=== 'boolean') {\n    return filterFns.equals;\n  }\n\n    if (value !== null && typeof value === 'object') {\n
return filterFns.equals;\n  }\n\n    if (Array.isArray(value)) {\n    return filterFns.arrIncludes;\n  }\n\n
return filterFns.weakEquals;\n  },\n  getFilterFn: () => {\n  var _table$options$filter;\n\n  return isFunction(column.columnDef.filterFn) ? column.columnDef.filterFn : column.columnDef.filterFn === 'auto'
? column.getAutoFilterFn() : ((_table$options$filter = table.options.filterFns) == null ? void 0 :
_table$options$filter[column.columnDef.filterFn]) ?? filterFns[column.columnDef.filterFn];\n  },\n  getCanFilter: () => {\n  return (column.columnDef.enableColumnFilter ?? true) &&
(table.options.enableColumnFilters ?? true) && (table.options.enableFilters ?? true) && !!column.accessorFn;\n
},\n  getCanGlobalFilter: () => {\n  return (column.columnDef.enableGlobalFilter ?? true) &&
(table.options.enableGlobalFilter ?? true) && (table.options.enableFilters ?? true) &&
((table.options.getColumnCanGlobalFilter == null ? void 0 : table.options.getColumnCanGlobalFilter(column)) ??
true) && !!column.accessorFn;\n  },\n  getIsFiltered: () => column.getFilterIndex() > -1,\n  getFilterValue: ()
=> {\n  var _table$getState$column, _table$getState$column2;\n\n  return (_table$getState$column =
table.getState().columnFilters) == null ? void 0 : (_table$getState$column2 = _table$getState$column.find(d => d.id
=== column.id)) == null ? void 0 : _table$getState$column2.value;\n  },\n  getFilterIndex: () => {\n  var
_table$getState$column3;\n\n  return ((_table$getState$column3 = table.getState().columnFilters) == null ? void 0

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: _table$getState$column3.findIndex(d => d.id === column.id) ?? -1;
},
setFilterValue: value => {
  table.setColumnFilters(old => {
    const filterFn = column.getFilterFn();
    const previousfilter = old ==
    null ? void 0 : old.find(d => d.id === column.id);
    const newFilter = functionalUpdate(value, previousfilter ?
    previousfilter.value : undefined);
    if (shouldAutoRemoveFilter(filterFn, newFilter, column)) {
      return (old == null ? void 0 : old.filter(d => d.id !== column.id)) ?? [];
    }
    const newFilterObj = {
      id: column.id,
      value: newFilter
    };
    if (previousfilter) {
      return (old == null ?
      void 0 : old.map(d => {
        if (d.id === column.id) {
          return newFilterObj;
        }
      }
      return d;
    }
  )) ?? [];
    }
    if (old != null && old.length) {
      return [...old,
      newFilterObj];
    }
    return [newFilterObj];
  }
},
_getFacetedRowModel:
table.options.getFacetedRowModel && table.options.getFacetedRowModel(table, column.id),
getFacetedRowModel: () => {
  if (!column._getFacetedRowModel) {
    return
    table.getPreFilteredRowModel();
  }
  return column._getFacetedRowModel();
},
_getFacetedUniqueValues: table.options.getFacetedUniqueValues && table.options.getFacetedUniqueValues(table,
column.id),
getFacetedUniqueValues: () => {
  if (!column._getFacetedUniqueValues) {
    return
    new Map();
  }
  return column._getFacetedUniqueValues();
},
_getFacetedMinMaxValues:
table.options.getFacetedMinMaxValues && table.options.getFacetedMinMaxValues(table, column.id),
getFacetedMinMaxValues: () => {
  if (!column._getFacetedMinMaxValues) {
    return undefined;
  }
  return column._getFacetedMinMaxValues();
} // () => [column.getFacetedRowModel(),
//
// facetedRowModel => getRowModelMinMaxValues(facetedRowModel, column.id),
//
// ];
},
createRow:
(row, table) => {
  return {
    columnFilters: {},
    columnFiltersMeta: {}
  };
},
createTable: table
=> {
  return {
    getGlobalAutoFilterFn: () => {
      return filterFns.includesString;
    },
    getGlobalFilterFn: () => {
      var _table$options$filter2;
      const {
        globalFilterFn: globalFilterFn
      } = table.options;
      return isFunction(globalFilterFn) ? globalFilterFn : globalFilterFn === 'auto' ?
      table.getGlobalAutoFilterFn() : ((_table$options$filter2 = table.options.filterFns) == null ? void 0 :
      _table$options$filter2[globalFilterFn]) ?? filterFns[globalFilterFn];
    },
    setColumnFilters: updater => {
      const leafColumns = table.getAllLeafColumns();
      const updateFn = old => {
        var
        _functionalUpdate;
        return (_functionalUpdate = functionalUpdate(updater, old)) == null ? void 0 :
        _functionalUpdate.filter(filter => {
          const column = leafColumns.find(d => d.id === filter.id);
          if
          (column) {
            const filterFn = column.getFilterFn();
            if (shouldAutoRemoveFilter(filterFn,
            filter.value, column)) {
              return false;
            }
            return true;
          }
        });
      };
      table.options.onColumnFiltersChange == null ? void 0 : table.options.onColumnFiltersChange(updateFn);
    },
    setGlobalFilter: updater => {
      table.options.onGlobalFilterChange == null ? void 0 :
      table.options.onGlobalFilterChange(updater);
    },
    resetGlobalFilter: defaultState => {
      table.setGlobalFilter(defaultState ? undefined : table.initialState.globalFilter);
    },
    resetColumnFilters:
    defaultState => {
      var _table$initialState;
      table.setColumnFilters(defaultState ? [] :
      ((_table$initialState = table.initialState) == null ? void 0 : _table$initialState.columnFilters) ?? []);
    },
    getPreFilteredRowModel: () => table.getCoreRowModel(),
    getFilteredRowModel: () => {
      if
      (!table._getFilteredRowModel && table.options.getFilteredRowModel) {
        table._getFilteredRowModel =
        table.options.getFilteredRowModel(table);
      }
      if (table.options.manualFiltering ||
      !table._getFilteredRowModel) {
        return table.getPreFilteredRowModel();
      }
      return
      table._getFilteredRowModel();
    },
    _getGlobalFacetedRowModel: table.options.getFacetedRowModel &&
    table.options.getFacetedRowModel(table, '__global__'),
    getGlobalFacetedRowModel: () => {
      if
      (table.options.manualFiltering || !table._getGlobalFacetedRowModel) {
        return
        table.getPreFilteredRowModel();
      }
      return
      table._getGlobalFacetedRowModel();
    },
    _getGlobalFacetedUniqueValues: table.options.getFacetedUniqueValues &&
    table.options.getFacetedUniqueValues(table, '__global__'),
    getGlobalFacetedUniqueValues: () => {
      if
      (!table._getGlobalFacetedUniqueValues) {
        return
        new Map();
      }
      return
      table._getGlobalFacetedUniqueValues();
    },
    _getGlobalFacetedMinMaxValues:

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table.options.getFacetedMinMaxValues && table.options.getFacetedMinMaxValues(table, '__global__'),\n
getGlobalFacetedMinMaxValues: () => {\n    if (!table._getGlobalFacetedMinMaxValues) {\n        return;\n    }\n    return table._getGlobalFacetedMinMaxValues();\n    }\n};\n\nfunction\nshouldAutoRemoveFilter(filterFn, value, column) {\n    return (filterFn && filterFn.autoRemove ?\n    filterFn.autoRemove(value, column) : false) || typeof value === 'undefined' || typeof value === 'string' &&\n    !value;\n}\n\nconst sum = (columnId, _leafRows, childRows) => {\n    // It's faster to just add the aggregations\n    together instead of\n    // process leaf nodes individually\n    return childRows.reduce((sum, next) => {\n        const\n        nextValue = next.getValue(columnId);\n        return sum + (typeof nextValue === 'number' ? nextValue : 0);\n    },\n    0);\n}\n\nconst min = (columnId, _leafRows, childRows) => {\n    let min;\n    childRows.forEach(row => {\n        const\n        value = row.getValue(columnId);\n        if (value != null && (min > value || min === undefined && value >= value))\n        {\n            min = value;\n        }\n    });\n    return min;\n}\n\nconst max = (columnId, _leafRows, childRows) => {\n    let\n    max;\n    childRows.forEach(row => {\n        const value = row.getValue(columnId);\n        if (value != null && (max <\n        value || max === undefined && value >= value)) {\n            max = value;\n        }\n    });\n    return max;\n}\n\nconst extent\n= (columnId, _leafRows, childRows) => {\n    let min;\n    let max;\n    childRows.forEach(row => {\n        const value =\n        row.getValue(columnId);\n        if (value != null) {\n            if (min === undefined) {\n                if (value >= value) min =\n                max = value;\n            } else {\n                if (min > value) min = value;\n                if (max < value) max = value;\n            }\n        }\n    });\n    return [min, max];\n}\n\nconst mean = (columnId, leafRows) => {\n    let count = 0;\n    let sum = 0;\n    leafRows.forEach(row => {\n        let value = row.getValue(columnId);\n        if (value != null && (value = +value) >=\n        value) {\n            ++count, sum += value;\n        }\n    });\n    if (count) return sum / count;\n    return;\n}\n\nconst median =\n(columnId, leafRows) => {\n    if (!leafRows.length) {\n        return;\n    }\n    let min = 0;\n    let max = 0;\n    leafRows.forEach(row => {\n        let value = row.getValue(columnId);\n        if (typeof value === 'number') {\n            min = Math.min(min, value);\n            max = Math.max(max, value);\n        }\n    });\n    return (min + max) / 2;\n}\n\nconst\nunique = (columnId, leafRows) => {\n    return Array.from(new Set(leafRows.map(d =>\n    d.getValue(columnId))).values());\n}\n\nconst\nuniqueCount = (columnId, leafRows) => {\n    return new\n    Set(leafRows.map(d => d.getValue(columnId))).size;\n}\n\nconst\ncount = (_columnId, leafRows) => {\n    return\n    leafRows.length;\n}\n\nconst\naggregationFns = {\n    sum,\n    min,\n    max,\n    extent,\n    mean,\n    median,\n    unique,\n    uniqueCount,\n    count\n};\n\nconst\nGrouping = {\n    getDefaultColumnDef: () => {\n        return {\n            aggregatedCell: props => {\n                var _props$getValue;\n                return ((_props$getValue = props.getValue()) ==\n                null ? void 0 : _props$getValue.toString) == null ? void 0 : _props$getValue.toString() ?? null;\n            },\n            aggregationFn: 'auto'\n        };,\n        getInitialState: state => {\n            return {\n                grouping: [],\n                ...state\n            };,\n            getDefaultOptions: table => {\n                return {\n                    onGroupingChange: makeStateUpdater('grouping', table),\n                    groupedColumnMode: 'reorder'\n                };,\n                createColumn: (column, table) => {\n                    return {\n                        toggleGrouping:\n                        () => {\n                            table.setGrouping(old => {\n                                // Find any existing grouping for this column\n                                if (old != null\n                                && old.includes(column.id)) {\n                                    return old.filter(d => d !== column.id);\n                                }\n                                return [...(old ??\n                                []), column.id];\n                            });,\n                            getCanGroup: () => {\n                                return column.columnDef.enableGrouping ?? true\n                                ?? table.options.enableGrouping ?? true ?? !!column.accessorFn;\n                            },\n                            getIsGrouped: () => {\n                                var\n                                _table$getState$group;\n                                return (_table$getState$group = table.getState().grouping) == null ? void 0 :\n                                _table$getState$group.includes(column.id);\n                            },\n                            getGroupedIndex: () => {\n                                var\n                                _table$getState$group2;\n                                return (_table$getState$group2 = table.getState().grouping) == null ? void 0 :\n                                _table$getState$group2.indexOf(column.id);\n                            },\n                            getToggleGroupingHandler: () => {\n                                const canGroup\n                                = column.getCanGroup();\n                                return () => {\n                                    if (!canGroup) return;\n                                    column.toggleGrouping();\n                                }\n                            },\n                            getAutoAggregationFn: () => {\n                                const firstRow = table.getCoreRowModel().flatRows[0];\n                                const value = firstRow == null ? void 0 : firstRow.getValue(column.id);\n                                if (typeof value === 'number') {\n                                    return aggregationFns.sum;\n                                }\n                                if (Object.prototype.toString.call(value) === '[object Date]') {\n                                    return aggregationFns.extent;\n                                }\n                            },\n                            getAggregationFn: () => {\n                                var _table$options$aggreg;\n                                if (!column) {\n                                    throw new Error();\n                                }\n                                return isFunction(column.columnDef.aggregationFn) ?\n                                column.columnDef.aggregationFn : column.columnDef.aggregationFn === 'auto' ? column.getAutoAggregationFn()\n                                : ((_table$options$aggreg = table.options.aggregationFns) == null ? void 0 :

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_table$options$aggreg[column.columnDef.aggregationFn]) ??
aggregationFns[column.columnDef.aggregationFn];\n  }\n  };\n  },\n  createTable: table => {\n    return {\n
setGrouping: updater => table.options.onGroupingChange == null ? void 0 :
table.options.onGroupingChange(updater),\n    resetGrouping: defaultState => {\n      var _table$initialState;\n\n
table.setGrouping(defaultState ? [] : ((_table$initialState = table.initialState) == null ? void 0 :
_table$initialState.grouping) ?? []);\n    },\n    getPreGroupedRowModel: () => table.getFilteredRowModel(),\n
getGroupedRowModel: () => {\n      if (!table._getGroupedRowModel && table.options.getGroupedRowModel)
{\n        table._getGroupedRowModel = table.options.getGroupedRowModel(table);\n      }\n\n      if
(table.options.manualGrouping || !table._getGroupedRowModel) {\n        return
table.getPreGroupedRowModel();\n      }\n\n      return table._getGroupedRowModel();\n    }\n  };\n  },\n
createRow: row => {\n    return {\n      getIsGrouped: () => !row.groupingColumnId,\n      _groupingValuesCache:
{} }\n  };\n  },\n  createCell: (cell, column, row, table) => {\n\n    return {\n      getIsGrouped: () =>
column.getIsGrouped() && column.id === row.groupingColumnId,\n      getIsPlaceholder: () =>
!cell.getIsGrouped() && !cell.getIsPlaceholder() && !((_row$subRows = row.subRows) != null &&
_row$subRows.length);\n    }\n  };\n  },\n  }\n};\n\nfunction orderColumns(leafColumns, grouping,
groupedColumnMode) {\n  if (!(grouping != null && grouping.length) || !groupedColumnMode) {\n    return
leafColumns;\n  }\n\n  const nonGroupingColumns = leafColumns.filter(col => !grouping.includes(col.id));\n  if
(groupedColumnMode === 'remove') {\n    return nonGroupingColumns;\n  }\n\n  const groupingColumns =
grouping.map(g => leafColumns.find(col => col.id === g)).filter(Boolean);\n  return [...groupingColumns,
...nonGroupingColumns];\n}\n\nconst Ordering = {\n  getInitialState: state => {\n    return {\n      columnOrder:
[],\n      ...state\n    };\n  },\n  getDefaultOptions: table => {\n    return {\n      onColumnOrderChange:
makeStateUpdater('columnOrder', table)\n    };\n  },\n  createTable: table => {\n    return {\n      setColumnOrder:
updater => table.options.onColumnOrderChange == null ? void 0 : table.options.onColumnOrderChange(updater),\n
      resetColumnOrder: defaultState => {\n        table.setColumnOrder(defaultState ? [] :
table.initialState.columnOrder ?? []);\n      },\n      _getOrderColumnsFn: memo(() => [table.getState().columnOrder,
table.getState().grouping, table.options.groupedColumnMode], (columnOrder, grouping, groupedColumnMode) =>
columns => {\n        // Sort grouped columns to the start of the column list\n        // before the headers are built\n
let orderedColumns = []; // If there is no order, return the normal columns\n\n        if (!(columnOrder != null &&
columnOrder.length)) {\n          orderedColumns = columns;\n        } else {\n          const columnOrderCopy =
[...columnOrder]; // If there is an order, make a copy of the columns\n\n          const columnsCopy = [...columns]; //
And make a new ordered array of the columns\n\n          // Loop over the columns and place them in order into the new
array\n\n          while (columnsCopy.length && columnOrderCopy.length) {\n            const targetColumnId =
columnOrderCopy.shift();\n            const foundIndex = columnsCopy.findIndex(d => d.id === targetColumnId);\n\n
            if (foundIndex > -1) {\n              orderedColumns.push(columnsCopy.splice(foundIndex, 1)[0]);\n            }\n
          } // If there are any columns left, add them to the end\n\n          orderedColumns = [...orderedColumns,
...columnsCopy];\n        }\n\n        return orderColumns(orderedColumns, grouping, groupedColumnMode);\n      },\n
      key: process.env.NODE_ENV === 'development' && 'getOrderColumnsFn' // debug: () =>
table.options.debugAll ?? table.options.debugTable,\n    }\n  };\n  },\n  }\n};\n\nconst defaultPageIndex =
0;\nconst defaultPageSize = 10;\nconst getDefaultPaginationState = () => ({\n  pageIndex: defaultPageIndex,\n
  pageSize: defaultPageSize\n});\n\nconst Pagination = {\n  getInitialState: state => {\n    return { ...state,\n
    pagination: { ...getDefaultPaginationState(),\n      ...(state == null ? void 0 : state.pagination)\n    } }\n  },\n
  getDefaultOptions: table => {\n    return {\n      onPaginationChange: makeStateUpdater('pagination', table)\n    };\n
  },\n  createTable: table => {\n    let registered = false;\n    let queued = false;\n    return {\n      _autoResetPageIndex:
() => {\n      if (!registered) {\n        table._queue(() => {\n          registered = true;\n        });\n      }\n\n
      return;\n    }\n  },\n    if (table.options.autoResetAll ?? table.options.autoResetPageIndex ?? !table.options.manualPagination)
{\n      if (queued) return;\n      queued = true;\n\n      table._queue(() => {\n        table.resetPageIndex();\n
        queued = false;\n      });\n    }\n  },\n  },\n  setPagination: updater => {\n    const safeUpdater = old =>

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{\n    let newState = functionalUpdate(updater, old);\n    return newState;\n  });\n  return
table.options.onPaginationChange == null ? void 0 : table.options.onPaginationChange(safeUpdater);\n  },\n
resetPagination: defaultState => {\n    table.setPagination(defaultState ? getDefaultPaginationState() :
table.initialState.pagination ?? getDefaultPaginationState());\n  },\n  setPageIndex: updater => {\n
table.setPagination(old => {\n    let pageIndex = functionalUpdate(updater, old.pageIndex);\n    const
maxPageIndex = typeof table.options.pageCount === 'undefined' || table.options.pageCount === -1 ?
Number.MAX_SAFE_INTEGER : table.options.pageCount - 1;\n    pageIndex = Math.min(Math.max(0,
pageIndex), maxPageIndex);\n    return { ...old,\n      pageIndex\n    }; \n  });\n  },\n
resetPageIndex: defaultState => {\n    var _table$initialState, _table$initialState$p;\n\n
table.setPageIndex(defaultState ? defaultPageIndex : ((_table$initialState = table.initialState) == null ? void 0 :
(_table$initialState$p = _table$initialState.pagination) == null ? void 0 : _table$initialState$p.pageIndex) ??
defaultPageIndex);\n  },\n  resetPageSize: defaultState => {\n    var _table$initialState2,\n
_table$initialState2$;\n\n    table.setPageSize(defaultState ? defaultPageSize : ((_table$initialState2 =
table.initialState) == null ? void 0 : (_table$initialState2$ = _table$initialState2.pagination) == null ? void 0 :
_table$initialState2$.pageSize) ?? defaultPageSize);\n  },\n  setPageSize: updater => {\n
table.setPagination(old => {\n    const pageSize = Math.max(1, functionalUpdate(updater, old.pageSize));\n
const topRowIndex = old.pageSize * old.pageIndex;\n    const pageIndex = Math.floor(topRowIndex /
pageSize);\n    return { ...old,\n      pageIndex,\n      pageSize\n    }; \n  });\n  },\n
setPageCount: updater => table.setPagination(old => {\n    let newPageCount = functionalUpdate(updater,
table.options.pageCount ?? -1);\n\n    if (typeof newPageCount === 'number') {\n      newPageCount =
Math.max(-1, newPageCount);\n    }\n\n    return { ...old,\n      pageCount: newPageCount\n    }; \n  });\n
  getPageOptions: memo(() => [table.getPageCount()], pageCount => {\n    let pageOptions = [];\n\n    if
(pageCount && pageCount > 0) {\n      pageOptions = [...new Array(pageCount)].fill(null).map((_, i) => i);\n
    }\n\n    return pageOptions;\n  }, {\n    key: process.env.NODE_ENV === 'development' &&
'getPageOptions',\n    debug: () => table.options.debugAll ?? table.options.debugTable\n  });\n
getCanPreviousPage: () => table.getState().pagination.pageIndex > 0,\n  getCanNextPage: () => {\n    const {\n
      pageIndex\n    } = table.getState().pagination;\n    const pageCount = table.getPageCount();\n\n    if
(pageCount === -1) {\n      return true;\n    }\n\n    if (pageCount === 0) {\n      return false;\n    }\n\n
return pageIndex < pageCount - 1;\n  },\n  previousPage: () => {\n    return table.setPageIndex(old => old -
1);\n  },\n  nextPage: () => {\n    return table.setPageIndex(old => {\n      return old + 1;\n    });\n  },\n
getPrePaginationRowModel: () => table.getExpandedRowModel(),\n  getPaginationRowModel: () => {\n
if (!table._getPaginationRowModel && table.options.getPaginationRowModel) {\n
table._getPaginationRowModel = table.options.getPaginationRowModel(table);\n  }\n\n  if
(table.options.manualPagination || !table._getPaginationRowModel) {\n    return
table.getPrePaginationRowModel();\n  }\n\n  return table._getPaginationRowModel();\n  },\n
getPageCount: () => {\n    return table.options.pageCount ??
Math.ceil(table.getPrePaginationRowModel().rows.length / table.getState().pagination.pageSize);\n  }\n
};\n\n}\n\nconst getDefaultPinningState = () => ({\n  left: [],\n  right: []\n});\n\nconst Pinning = {\n  getInitialState:
state => {\n    return {\n      columnPinning: getDefaultPinningState(),\n      ...state\n    }; \n  },\n  getDefaultOptions:
table => {\n    return {\n      onColumnPinningChange: makeStateUpdater('columnPinning', table)\n    }; \n  },\n
createColumn: (column, table) => {\n    return {\n      pin: position => {\n        const columnIds =
column.getLeafColumns().map(d => d.id).filter(Boolean);\n        table.setColumnPinning(old => {\n          if
(position === 'right') {\n            return {\n              left: ((old == null ? void 0 : old.left) ?? []).filter(d => !(columnIds
!= null && columnIds.includes(d))),\n              right: [...((old == null ? void 0 : old.right) ?? []).filter(d =>
!(columnIds != null && columnIds.includes(d))), ...columnIds]\n            );\n          }\n          if (position === 'left')
{\n            return {\n              left: [...((old == null ? void 0 : old.left) ?? []).filter(d => !(columnIds != null &&
columnIds.includes(d))), ...columnIds],\n              right: ((old == null ? void 0 : old.right) ?? []).filter(d =>
!(columnIds != null && columnIds.includes(d)))\n            );\n          }\n          return {\n            left: ((old == null ?

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void 0 : old.left ?? []).filter(d => !(columnIds != null && columnIds.includes(d))),\n      right: ((old == null ?
void 0 : old.right) ?? []).filter(d => !(columnIds != null && columnIds.includes(d)))\n    });\n  },\n  getCanPin: () => {\n    const leafColumns = column.getLeafColumns();\n    return leafColumns.some(d =>
(d.columnDef.enablePinning ?? true) && (table.options.enablePinning ?? true));\n  },\n  getIsPinned: () => {\n    const leafColumnIds = column.getLeafColumns().map(d => d.id);\n    const {\n      left,\n      right\n    }
= table.getState().columnPinning;\n    const isLeft = leafColumnIds.some(d => left == null ? void 0 :
left.includes(d));\n    const isRight = leafColumnIds.some(d => right == null ? void 0 : right.includes(d));\n    return isLeft ? 'left' : isRight ? 'right' : false;\n  },\n  getPinnedIndex: () => {\n    var _table$getState$column,
_table$getState$column2;\n    const position = column.getIsPinned();\n    return position ?
((_table$getState$column = table.getState().columnPinning) == null ? void 0 : (_table$getState$column2 =
_table$getState$column[position]) == null ? void 0 : _table$getState$column2.indexOf(column.id)) ?? -1 : 0;\n  }
);\n  },\n  createRow: (row, table) => {\n    return {\n      getCenterVisibleCells: memo(() =>
[row._getAllVisibleCells(), table.getState().columnPinning.left, table.getState().columnPinning.right], (allCells, left,
right) => {\n      const leftAndRight = [...(left ?? []), ...(right ?? [])];\n      return allCells.filter(d =>
!leftAndRight.includes(d.column.id));\n    }, {\n      key: process.env.NODE_ENV === 'production' &&
'row.getCenterVisibleCells',\n      debug: () => table.options.debugAll ?? table.options.debugRows\n    }),\n      getLeftVisibleCells: memo(() => [row._getAllVisibleCells(), table.getState().columnPinning.left,], (allCells, left)
=> {\n      const cells = (left ?? []).map(columnId => allCells.find(cell => cell.column.id ===
columnId)).filter(Boolean).map(d => ({ ...d,\n        position: 'left'\n      }));\n      return cells;\n    }, {\n      key:
process.env.NODE_ENV === 'production' && 'row.getLeftVisibleCells',\n      debug: () => table.options.debugAll
?? table.options.debugRows\n    }),\n      getRightVisibleCells: memo(() => [row._getAllVisibleCells(),
table.getState().columnPinning.right], (allCells, right) => {\n      const cells = (right ?? []).map(columnId =>
allCells.find(cell => cell.column.id === columnId)).filter(Boolean).map(d => ({ ...d,\n        position: 'right'\n      }));\n      return cells;\n    }, {\n      key: process.env.NODE_ENV === 'production' &&
'row.getRightVisibleCells',\n      debug: () => table.options.debugAll ?? table.options.debugRows\n    })\n  });\n  },\n  createTable: table => {\n    return {\n      setColumnPinning: updater =>
table.options.onColumnPinningChange == null ? void 0 : table.options.onColumnPinningChange(updater),\n      resetColumnPinning: defaultState => {\n      var _table$initialState;\n      return
table.setColumnPinning(defaultState ? getDefaultPinningState() : ((_table$initialState = table.initialState) == null ?
void 0 : _table$initialState.columnPinning) ?? getDefaultPinningState());\n    },\n      getIsSomeColumnsPinned:
position => {\n      var _pinningState$positio;\n      const pinningState = table.getState().columnPinning;\n      if (!position) {\n      var _pinningState$left, _pinningState$right;\n      return Boolean(((_pinningState$left =
pinningState.left) == null ? void 0 : _pinningState$left.length) || ((_pinningState$right = pinningState.right) == null
? void 0 : _pinningState$right.length));\n      }\n      return Boolean((_pinningState$positio =
pinningState[position]) == null ? void 0 : _pinningState$positio.length);\n    },\n      getLeftLeafColumns: memo(()
=> [table.getAllLeafColumns(), table.getState().columnPinning.left], (allColumns, left) => {\n      return (left ??
[]).map(columnId => allColumns.find(column => column.id === columnId)).filter(Boolean);\n    }, {\n      key:
process.env.NODE_ENV === 'development' && 'getLeftLeafColumns',\n      debug: () => table.options.debugAll
?? table.options.debugColumns\n    }),\n      getRightLeafColumns: memo(() => [table.getAllLeafColumns(),
table.getState().columnPinning.right], (allColumns, right) => {\n      return (right ?? []).map(columnId =>
allColumns.find(column => column.id === columnId)).filter(Boolean);\n    }, {\n      key:
process.env.NODE_ENV === 'development' && 'getRightLeafColumns',\n      debug: () => table.options.debugAll
?? table.options.debugColumns\n    }),\n      getCenterLeafColumns: memo(() => [table.getAllLeafColumns(),
table.getState().columnPinning.left, table.getState().columnPinning.right], (allColumns, left, right) => {\n      const
leftAndRight = [...(left ?? []), ...(right ?? [])];\n      return allColumns.filter(d => !leftAndRight.includes(d.id));\n    },
{\n      key: process.env.NODE_ENV === 'development' && 'getCenterLeafColumns',\n      debug: () =>
table.options.debugAll ?? table.options.debugColumns\n    })\n  });\n  },\n  }\n};\n\nconst RowSelection = {\n  getInitialState: state => {\n    return {\n      rowSelection: {},\n      ...state\n    };
  },\n  getDefaultOptions: table =>

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{\n  return {\n    onRowSelectionChange: makeStateUpdater('rowSelection', table),\n    enableRowSelection: true,\n    enableMultiRowSelection: true,\n    enableSubRowSelection: true // enableGroupingRowSelection: false,\n    // isAdditiveSelectEvent: (e: unknown) => !!e.metaKey,\n    // isInclusiveSelectEvent: (e: unknown) => !!e.shiftKey,\n    \n  };\n  \n  createTable: table => {\n    return {\n      setRowSelection: updater => table.options.onRowSelectionChange == null ? void 0 : table.options.onRowSelectionChange(updater),\n      resetRowSelection: defaultState => table.setRowSelection(defaultState ? {} : table.initialState.rowSelection ?? {}),\n      toggleAllRowsSelected: value => {\n        table.setRowSelection(old => {\n          value = typeof value !== 'undefined' ? value : !table.getIsAllRowsSelected();\n          const rowSelection = { ...old\n          };\n          const preGroupedFlatRows = table.getPreGroupedRowModel().flatRows; // We don't use `mutateRowIsSelected` here for performance reasons.\n          // All of the rows are flat already, so it wouldn't be worth it\n          if (value) {\n            preGroupedFlatRows.forEach(row => {\n              if (!row.getCanSelect()) {\n                return;\n              }\n              rowSelection[row.id] = true;\n            });\n          } else {\n            preGroupedFlatRows.forEach(row => {\n              delete rowSelection[row.id];\n            });\n          }\n          return rowSelection;\n        });\n      },\n      toggleAllPageRowsSelected: value => table.setRowSelection(old => {\n        const resolvedValue = typeof value !== 'undefined' ? value : !table.getIsAllPageRowsSelected();\n        const rowSelection = { ...old\n        };\n        table.getRowModel().rows.forEach(row => {\n          mutateRowIsSelected(rowSelection, row.id, resolvedValue, table);\n        });\n        return rowSelection;\n      }),\n      // addRowSelectionRange: rowId => {\n      //   const {\n      //     rows,\n      //     rowsById,\n      //     options: { selectGroupingRows, selectSubRows },\n      //   } = table\n      //   \n      //   const findSelectedRow = (rows: Row[]) => {\n      //     let found\n      //     rows.find(d => {\n      //       if (d.getIsSelected()) {\n      //         found = d\n      //         return true\n      //       }\n      //       const subFound = findSelectedRow(d.subRows || [])\n      //       if (subFound) {\n      //         found = subFound\n      //         return true\n      //       }\n      //       return false\n      //     })\n      //     return found\n      //   }\n      //   const firstRow = findSelectedRow(rows) || rows[0]\n      //   const lastRow = rowsById[rowId]\n      //   let include = false\n      //   const selectedRowIds = {}\n      //   const addRow = (row: Row) => {\n      //     mutateRowIsSelected(selectedRowIds, row.id, true, {\n      //       rowsById,\n      //       selectGroupingRows: selectGroupingRows!,\n      //       selectSubRows: selectSubRows!,\n      //     })\n      //   }\n      //   \n      //   const isFirstRow = row.id === firstRow.id\n      //   const isLastRow = row.id === lastRow.id\n      //   if (isFirstRow || isLastRow) {\n      //     if (!include) {\n      //       include = true\n      //     } else if (include) {\n      //       addRow(row)\n      //       include = false\n      //     }\n      //   }\n      //   if (include) {\n      //     addRow(row)\n      //   }\n      //   table.setRowSelection(selectedRowIds)\n      //   \n      //   getPreSelectedRowModel: () => table.getCoreRowModel(),\n      //   getSelectedRowModel: memo(() => [table.getState().rowSelection, table.getCoreRowModel()], (rowSelection, rowModel) => {\n      //     if (!Object.keys(rowSelection).length) {\n      //       return {\n      //         rows: [],\n      //         flatRows: [],\n      //         rowsById: {}\n      //       };\n      //     }\n      //     return selectRowsFn(table, rowModel);\n      //   }, {\n      //     key: process.env.NODE_ENV === 'development' && 'getSelectedRowModel',\n      //     debug: () => table.options.debugAll ??\n      //     table.options.debugTable\n      //   }),\n      //   getFilteredSelectedRowModel: memo(() => [table.getState().rowSelection, table.getFilteredRowModel()], (rowSelection, rowModel) => {\n      //     if (!Object.keys(rowSelection).length) {\n      //       return {\n      //         rows: [],\n      //         flatRows: [],\n      //         rowsById: {}\n      //       };\n      //     }\n      //     return selectRowsFn(table, rowModel);\n      //   }, {\n      //     key: process.env.NODE_ENV === 'production' && 'getFilteredSelectedRowModel',\n      //     debug: () => table.options.debugAll ?? table.options.debugTable\n      //   }),\n      //   getGroupedSelectedRowModel: memo(() => [table.getState().rowSelection, table.getSortedRowModel()], (rowSelection, rowModel) => {\n      //     if (!Object.keys(rowSelection).length) {\n      //       return {\n      //         rows: [],\n      //         flatRows: [],\n      //         rowsById: {}\n      //       };\n      //     }\n      //     return selectRowsFn(table, rowModel);\n      //   }, {\n      //     key: process.env.NODE_ENV === 'production' && 'getGroupedSelectedRowModel',\n      //     debug: () => table.options.debugAll ?? table.options.debugTable\n      //   }),\n      //   // getGroupingRowCanSelect: rowId => {\n      //     const row = table.getRow(rowId)\n      //     if (!row) {\n      //       throw new Error()\n      //     }\n      //     if (typeof table.options.enableGroupingRowSelection === 'function') {\n      //       return table.options.enableGroupingRowSelection(row)\n      //     }\n      //     return

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table.options.enableGroupingRowSelection ?? false\n    // },\n    getIsAllRowsSelected: () => {\n        const
preGroupedFlatRows = table.getFilteredRowModel().flatRows;\n        const {\n            rowSelection\n        } =
table.getState();\n        let isAllRowsSelected = Boolean(preGroupedFlatRows.length &&
Object.keys(rowSelection).length);\n\n        if (isAllRowsSelected) {\n            if (preGroupedFlatRows.some(row =>
row.getCanSelect() && !rowSelection[row.id])) {\n                isAllRowsSelected = false;\n            }\n        }\n        return isAllRowsSelected;\n    },\n    getIsAllPageRowsSelected: () => {\n        const paginationFlatRows =
table.getPaginationRowModel().flatRows;\n        const {\n            rowSelection\n        } = table.getState();\n        let
isAllPageRowsSelected = !paginationFlatRows.length;\n\n        if (isAllPageRowsSelected &&
paginationFlatRows.some(row => !rowSelection[row.id])) {\n            isAllPageRowsSelected = false;\n        }\n        return isAllPageRowsSelected;\n    },\n    getIsSomeRowsSelected: () => {\n        const totalSelected =
Object.keys(table.getState().rowSelection ?? {}).length;\n        return totalSelected > 0 && totalSelected <
table.getFilteredRowModel().flatRows.length;\n    },\n    getIsSomePageRowsSelected: () => {\n        const
paginationFlatRows = table.getPaginationRowModel().flatRows;\n        return table.getIsAllPageRowsSelected() ?
false : paginationFlatRows.some(d => d.getIsSelected() || d.getIsSomeSelected());\n    },\n    getToggleAllRowsSelectedHandler: () => {\n        return e => {\n
table.toggleAllRowsSelected(e.target.checked);\n        }\n    },\n    getToggleAllPageRowsSelectedHandler: () =>
{\n        return e => {\n            table.toggleAllPageRowsSelected(e.target.checked);\n        }\n    },\n    createRow: (row, table) => {\n        return {\n            toggleSelected: value => {\n                const isSelected =
row.getIsSelected();\n                table.setRowSelection(old => {\n                    value = typeof value !== 'undefined' ? value :
!isSelected;\n\n                    if (isSelected === value) {\n                        return old;\n                    }\n\n                    const selectedRowIds = {
...old\n                };\n                mutateRowIsSelected(selectedRowIds, row.id, value, table);\n                return
selectedRowIds;\n            });\n        },\n        getIsSelected: () => {\n            const {\n                rowSelection\n            } =
table.getState();\n            return isRowSelected(row, rowSelection);\n        },\n        getIsSomeSelected: () => {\n            const {\n                rowSelection\n            } = table.getState();\n            return isSubRowSelected(row, rowSelection) ===
'some';\n        },\n        getIsAllSubRowsSelected: () => {\n            const {\n                rowSelection\n            } =
table.getState();\n            return isSubRowSelected(row, rowSelection) === 'all';\n        },\n        getCanSelect: () => {\n            if (typeof table.options.enableRowSelection === 'function') {\n                return
table.options.enableRowSelection(row);\n            }\n            return table.options.enableRowSelection ?? true;\n        },\n        getCanSelectSubRows: () => {\n            if (typeof table.options.enableSubRowSelection === 'function') {\n                return
table.options.enableSubRowSelection(row);\n            }\n            return table.options.enableSubRowSelection ??
true;\n        },\n        getCanMultiSelect: () => {\n            if (typeof table.options.enableMultiRowSelection === 'function') {\n                return
table.options.enableMultiRowSelection(row);\n            }\n            return
table.options.enableMultiRowSelection ?? true;\n        },\n        getToggleSelectedHandler: () => {\n            const
canSelect = row.getCanSelect();\n            return e => {\n                var _target;\n                if (!canSelect) return;\n                row.toggleSelected((_target = e.target) == null ? void 0 : _target.checked);\n            }\n        },\n        mutateRowIsSelected = (selectedRowIds, id, value, table) => {\n            var _row$subRows;\n            const row =
table.getRow(id); // const isGrouped = row.getIsGrouped()\n            // if ( // TODO: enforce grouping row selection rules\n            // !isGrouped ||\n            // (isGrouped && table.options.enableGroupingRowSelection)\n            // ) {\n            if (value) {\n                if
(!row.getCanMultiSelect()) {\n                    Object.keys(selectedRowIds).forEach(key => delete selectedRowIds[key]);\n                }\n\n                if (row.getCanSelect()) {\n                    selectedRowIds[id] = true;\n                } else {\n                    delete selectedRowIds[id];\n                }\n            }\n            // }\n            if ((_row$subRows = row.subRows) != null && _row$subRows.length && row.getCanSelectSubRows()) {\n                row.subRows.forEach(row => mutateRowIsSelected(selectedRowIds, row.id, value, table));\n            }\n        }\n    }\n\nfunction selectRowsFn(table, rowModel) {\n    const rowSelection = table.getState().rowSelection;\n    const
newSelectedFlatRows = [];\n    const newSelectedRowsById = {};\n    // Filters top level and nested rows\n\n    const
recurseRows = function (rows, depth) {\n        return rows.map(row => {\n            var _row$subRows2;\n            const
isSelected = isRowSelected(row, rowSelection);\n            if (isSelected) {\n                newSelectedFlatRows.push(row);\n                newSelectedRowsById[row.id] = row;\n            }\n            if ((_row$subRows2 = row.subRows) != null &&
_row$subRows2.length) {\n                row = { ...row,\n                    subRows: recurseRows(row.subRows)\n                };\n            }\n        });\n    }\n}

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if (isSelected) {\n    return row;\n    }\n    }).filter(Boolean);\n    };\n\n    return {\n    rows:
recurseRows(rowModel.rows),\n    flatRows: newSelectedFlatRows,\n    rowsById: newSelectedRowsById\n
};\n}\n\nfunction isRowSelected(row, selection) {\n    return selection[row.id] ?? false;\n}\n\nfunction
isSubRowSelected(row, selection, table) {\n    if (row.subRows && row.subRows.length) {\n    let
allChildrenSelected = true;\n    let someSelected = false;\n    row.subRows.forEach(subRow => {\n    // Bail out
early if we know both of these\n    if (someSelected && !allChildrenSelected) {\n    return;\n    }\n\n    if
(isRowSelected(subRow, selection)) {\n    someSelected = true;\n    } else {\n    allChildrenSelected = false;\n
    }\n    });\n    return allChildrenSelected ? 'all' : someSelected ? 'some' : false;\n    }\n\n    return false;\n    }\n\nconst
reSplitAlphaNumeric = /([0-9]+)/gm;\n\nconst alphanumeric = (rowA, rowB, columnId) => {\n    return
compareAlphanumeric(toString(rowA.getValue(columnId)).toLowerCase(),
toString(rowB.getValue(columnId)).toLowerCase());\n    };\n\nconst alphanumericCaseSensitive = (rowA, rowB,
columnId) => {\n    return compareAlphanumeric(toString(rowA.getValue(columnId)),
toString(rowB.getValue(columnId)));\n    }; // The text filter is more basic (less numeric support)\n\n// but is much
faster\n\nconst text = (rowA, rowB, columnId) => {\n    return
compareBasic(toString(rowA.getValue(columnId)).toLowerCase(),
toString(rowB.getValue(columnId)).toLowerCase());\n    }; // The text filter is more basic (less numeric support)\n\n//
but is much faster\n\nconst textCaseSensitive = (rowA, rowB, columnId) => {\n    return
compareBasic(toString(rowA.getValue(columnId)), toString(rowB.getValue(columnId)));\n    };\n\nconst datetime =
(rowA, rowB, columnId) => {\n    const a = rowA.getValue(columnId);\n    const b = rowB.getValue(columnId); //
Can handle nullish values\n    // Use > and < because == (and ===) doesn't work with\n    // Date objects (would
require calling getTime()).\n    return a > b ? 1 : a < b ? -1 : 0;\n    };\n\nconst basic = (rowA, rowB, columnId) => {\n
return compareBasic(rowA.getValue(columnId), rowB.getValue(columnId));\n    }; // Utils\n\n\nfunction
compareBasic(a, b) {\n    return a === b ? 0 : a > b ? 1 : -1;\n    }\n\nfunction toString(a) {\n    if (typeof a === 'number')
{\n    if (isNaN(a) || a === Infinity || a === -Infinity) {\n    return '';\n    }\n    return String(a);\n    }\n\n    if (typeof a
=== 'string') {\n    return a;\n    }\n    return '';\n    } // Mixed sorting is slow, but very inclusive of many edge cases.\n\n//
It handles numbers, mixed alphanumeric combinations, and even\n\n// null, undefined, and Infinity\n\n\nfunction
compareAlphanumeric(aStr, bStr) {\n    // Split on number groups, but keep the delimiter\n    // Then remove falsey
split values\n    const a = aStr.split(reSplitAlphaNumeric).filter(Boolean);\n    const b =
bStr.split(reSplitAlphaNumeric).filter(Boolean); // While\n\n    while (a.length && b.length) {\n    const aa =
a.shift();\n    const bb = b.shift();\n    const an = parseInt(aa, 10);\n    const bn = parseInt(bb, 10);\n    const combo =
[an, bn].sort(); // Both are string\n\n    if (isNaN(combo[0])) {\n    if (aa > bb) {\n    return 1;\n    }\n\n    if (bb
> aa) {\n    return -1;\n    }\n\n    continue;\n    } // One is a string, one is a number\n\n\n    if (isNaN(combo[1]))
{\n    return isNaN(an) ? -1 : 1;\n    } // Both are numbers\n\n\n    if (an > bn) {\n    return 1;\n    }\n\n    if (bn >
an) {\n    return -1;\n    }\n    }\n\n    return a.length - b.length;\n    } // Exports\n\nconst sortingFns = {\n
alphanumeric,\n    alphanumericCaseSensitive,\n    text,\n    textCaseSensitive,\n    datetime,\n    basic\n    };\n\n\nconst
Sorting = {\n    getInitialState: state => {\n    return {\n    sorting: [],\n    ...state\n    };\n    },\n
getDefaultColumnDef: () => {\n    return {\n    sortingFn: 'auto'\n    };\n    },\n    getDefaultOptions: table => {\n
return {\n    onSortingChange: makeStateUpdater('sorting', table),\n    isMultiSortEvent: e => {\n    return
e.shiftKey;\n    }\n    };\n    },\n    createColumn: (column, table) => {\n    return {\n    getAutoSortingFn: () => {\n
const firstRows = table.getFilteredRowModel().flatRows.slice(10);\n    let isString = false;\n\n    for (const
row of firstRows) {\n    const value = row == null ? void 0 : row.getValue(column.id);\n\n    if
(Object.prototype.toString.call(value) === '[object Date]') {\n    return sortingFns.datetime;\n    }\n\n
if (typeof value === 'string') {\n    isString = true;\n\n    if (value.split(reSplitAlphaNumeric).length > 1)
{\n    return sortingFns.alphanumeric;\n    }\n\n    }\n\n    if (isString) {\n    return
sortingFns.text;\n    }\n\n    return sortingFns.basic;\n    },\n    getAutoSortDir: () => {\n    const firstRow =
table.getFilteredRowModel().flatRows[0];\n    const value = firstRow == null ? void 0 :
firstRow.getValue(column.id);\n\n    if (typeof value === 'string') {\n    return 'asc';\n    }\n\n    return
'desc';\n    },\n    getSortingFn: () => {\n    var _table$options$sortin;\n\n    if (!column) {\n    throw new

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Error();\n    }\n\n    return isFunction(column.columnDef.sortingFn) ? column.columnDef.sortingFn :
column.columnDef.sortingFn === 'auto' ? column.getAutoSortingFn() : ((_table$options$sortin =
table.options.sortingFns) == null ? void 0 : _table$options$sortin[column.columnDef.sortingFn]) ??
sortingFns[column.columnDef.sortingFn];\n    },\n    toggleSorting: (desc, multi) => {\n    // if
(column.columns.length) {\n    // column.columns.forEach((c, i) => {\n    // if (c.id) {\n    //
table.toggleColumnSorting(c.id, undefined, multi || !!i)\n    // }\n    // })\n    // return\n    // }\n    //
this needs to be outside of table.setSorting to be in sync with rerender\n    const nextSortingOrder =
column.getNextSortingOrder();\n    const hasManualValue = typeof desc !== 'undefined' && desc !== null;\n
table.setSorting(old => {\n    // Find any existing sorting for this column\n    const existingSorting = old ==
null ? void 0 : old.find(d => d.id === column.id);\n    const existingIndex = old == null ? void 0 :
old.findIndex(d => d.id === column.id);\n    let newSorting = []; // What should we do with this sort action?\n
    let sortAction;\n    let nextDesc = hasManualValue ? desc : nextSortingOrder === 'desc'; // Multi-mode\n
    if (old != null && old.length && column.getCanMultiSort() && multi) {\n    if (existingSorting) {\n
sortAction = 'toggle';\n    } else {\n    sortAction = 'add';\n    }\n    } else {\n    // Normal
mode\n    if (old != null && old.length && existingIndex !== old.length - 1) {\n    sortAction =
'replace';\n    } else if (existingSorting) {\n    sortAction = 'toggle';\n    } else {\n    sortAction
= 'replace';\n    }\n    } // Handle toggle states that will remove the sorting\n\n    if (sortAction ===
'toggle') {\n    // If we are \"actually\" toggling (not a manual set value), should we remove the sorting?\n
if (!hasManualValue) {\n    // Is our intention to remove?\n    if (!nextSortingOrder) {\n
sortAction = 'remove';\n    }\n    }\n    }\n    if (sortAction === 'add') {\n    newSorting =
[...old, {\n    id: column.id,\n    desc: nextDesc\n    }]; // Take latest n columns\n
newSorting.splice(0, newSorting.length - (table.options.maxMultiSortColCount ??
Number.MAX_SAFE_INTEGER));\n    } else if (sortAction === 'toggle') {\n    // This flips (or sets) the\n
newSorting = old.map(d => {\n    if (d.id === column.id) {\n    return { ...d,\n    desc:
nextDesc\n    };\n    }\n    return d;\n    });\n    } else if (sortAction === 'remove') {\n
newSorting = old.filter(d => d.id !== column.id);\n    } else {\n    newSorting = [{\n    id:
column.id,\n    desc: nextDesc\n    }];\n    }\n    return newSorting;\n    });\n    },\n
getFirstSortDir: () => {\n    const sortDescFirst = column.columnDef.sortDescFirst ?? table.options.sortDescFirst
?? column.getAutoSortDir() === 'desc';\n    return sortDescFirst ? 'desc' : 'asc';\n    },\n
getNextSortingOrder:
multi => {\n    const firstSortDirection = column.getFirstSortDir();\n    const isSorted =
column.getIsSorted();\n\n    if (!isSorted) {\n    return firstSortDirection;\n    }\n\n    if (isSorted !==
firstSortDirection && (table.options.enableSortingRemoval ?? true) && ( // If enableSortRemove, enable in
general\n    multi ? table.options.enableMultiRemove ?? true : true) // If multi, don't allow if
enableMultiRemove))\n    ) {\n    return false;\n    }\n\n    return isSorted === 'desc' ? 'asc' : 'desc';\n
},\n
getCanSort: () => {\n    return (column.columnDef.enableSorting ?? true) && (table.options.enableSorting
?? true) && !!column.accessorFn;\n    },\n
getCanMultiSort: () => {\n    return
column.columnDef.enableMultiSort ?? table.options.enableMultiSort ?? !!column.accessorFn;\n    },\n
getIsSorted: () => {\n    var _table$getState$sorti;\n\n    const columnSort = (_table$getState$sorti =
table.getState().sorting) == null ? void 0 : _table$getState$sorti.find(d => d.id === column.id);\n    return
!columnSort ? false : columnSort.desc ? 'desc' : 'asc';\n    },\n
getSortIndex: () => {\n    var
_table$getState$sorti2;\n\n    return ((_table$getState$sorti2 = table.getState().sorting) == null ? void 0 :
_table$getState$sorti2.findIndex(d => d.id === column.id)) ?? -1;\n    },\n
clearSorting: () => {\n    //clear
sorting for just 1 column\n    table.setSorting(old => old != null && old.length ? old.filter(d => d.id !==
column.id) : []);\n    },\n
getToggleSortingHandler: () => {\n    const canSort = column.getCanSort();\n
return e => {\n    if (!canSort) return;\n    e.persist == null ? void 0 : e.persist();\n    column.toggleSorting
== null ? void 0 : column.toggleSorting(undefined, column.getCanMultiSort() ? table.options.isMultiSortEvent ==
null ? void 0 : table.options.isMultiSortEvent(e) : false);\n    }\n    },\n
createTable: table => {\n
return {\n    setSorting: updater => table.options.onSortingChange == null ? void 0 :

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feature.getDefaultOptions(table));\n }, {});\n\n const mergeOptions = options => {\n   if
(table.options.mergeOptions) {\n     return table.options.mergeOptions(defaultOptions, options);\n   }\n\n   return {\n     ...defaultOptions,\n     ...options\n   };\n\n   const coreInitialState = {};\n   let initialState = {\n     ...coreInitialState,\n     ...(options.initialState ?? {})\n   };\n\n   table._features.forEach(feature => {\n     initialState =
(feature.getInitialState === null ? void 0 : feature.getInitialState(initialState)) ?? initialState;\n   });\n\n   const queued
= [];\n   let queuedTimeout = false;\n   const coreInstance = {\n     _features: features,\n     options: {\n       ...defaultOptions,\n       ...options\n     },\n     initialState,\n     _queue: cb => {\n       queued.push(cb);\n\n       if
(!queuedTimeout) {\n         queuedTimeout = true; // Schedule a microtask to run the queued callbacks after\n         // the current call stack (render, etc) has finished.\n\n         Promise.resolve().then(() => {\n           while (queued.length)
{\n             queued.shift();\n           }\n\n           queuedTimeout = false;\n         }).catch(error => setTimeout(() => {\n
           throw error;\n         }));\n       }\n     },\n     reset: () => {\n       table.setState(table.initialState);\n     },\n     setOptions: updater => {\n       const newOptions = functionalUpdate(updater, table.options);\n       table.options =
mergeOptions(newOptions);\n     },\n     getState: () => {\n       return table.options.state;\n     },\n     setState: updater
=> {\n       table.options.onStateChange === null ? void 0 : table.options.onStateChange(updater);\n     },\n     _getRowId: (row, index, parent) => (table.options.getRowId === null ? void 0 : table.options.getRowId(row, index,
parent)) ?? `${parent ? [parent.id, index].join('.') : index}`,\n     getCoreRowModel: () => {\n       if
(!table._getCoreRowModel) {\n         table._getCoreRowModel = table.options.getCoreRowModel(table);\n       }\n\n       return table._getCoreRowModel();\n     },\n     // The final calls start at the bottom of the model,\n     // expanded
rows, which then work their way up\n     getRowModel: () => {\n       return table.getPaginationRowModel();\n     },\n     getRow: id => {\n       const row = table.getRowModel().rowsById[id];\n\n       if (!row) {\n         if
(process.env.NODE_ENV !== 'production') {\n           throw new Error(`getRow expected an ID, but got ${id}`);\n         }\n\n         throw new Error();\n       }\n\n       return row;\n     },\n     _getDefaultColumnDef: memo(() =>
[table.options.defaultColumn], defaultColumn => {\n       defaultColumn = defaultColumn ?? {};\n       return {\n         header: props => {\n           const resolvedColumnDef = props.header.column.columnDef;\n\n           if
(resolvedColumnDef.accessorKey) {\n             return resolvedColumnDef.accessorKey;\n           }\n\n           if
(resolvedColumnDef.accessorFn) {\n             return resolvedColumnDef.id;\n           }\n\n           return null;\n         },\n         // footer: props => props.header.column.id,\n         cell: props => {\n           var _props$renderValue;\n\n           return ((_props$renderValue = props.renderValue()) === null ? void 0 : _props$renderValue.toString) === null ? void 0
: _props$renderValue.toString() ?? null;\n         },\n         ...table._features.reduce((obj, feature) => {\n           return
Object.assign(obj, feature.getDefaultColumnDef === null ? void 0 : feature.getDefaultColumnDef());\n         }, {}),\n         ...defaultColumn\n       };\n     },\n     {\n       debug: () => table.options.debugAll ?? table.options.debugColumns,\n       key: process.env.NODE_ENV === 'development' && 'getDefaultColumnDef'\n     },\n     _getColumnDefs: () =>
table.options.columns,\n     getAllColumns: memo(() => [table._getColumnDefs()], columnDefs => {\n       const
recurseColumns = function (columnDefs, parent, depth) {\n         if (depth === void 0) {\n           depth = 0;\n         }\n\n         return columnDefs.map(columnDef => {\n           const column = createColumn(table, columnDef, depth,
parent);\n\n           const groupingColumnDef = columnDef;\n\n           column.columns = groupingColumnDef.columns ?
recurseColumns(groupingColumnDef.columns, column, depth + 1) : [];\n\n           return column;\n         });\n       };\n\n       return recurseColumns(columnDefs);\n     },\n     {\n       key: process.env.NODE_ENV === 'development' &&
'getAllColumns',\n       debug: () => table.options.debugAll ?? table.options.debugColumns\n     },\n     getAllFlatColumns: memo(() => [table.getAllColumns()], allColumns => {\n       return allColumns.flatMap(column
=> {\n         return column.getFlatColumns();\n       });\n     },\n     {\n       key: process.env.NODE_ENV === 'development'
&& 'getAllFlatColumns',\n       debug: () => table.options.debugAll ?? table.options.debugColumns\n     },\n     _getAllFlatColumnsById: memo(() => [table.getAllFlatColumns()], flatColumns => {\n       return
flatColumns.reduce((acc, column) => {\n         acc[column.id] = column;\n         return acc;\n       }, {});\n     },\n     {\n       key: process.env.NODE_ENV === 'development' && 'getAllFlatColumnsById',\n       debug: () =>
table.options.debugAll ?? table.options.debugColumns\n     },\n     getAllLeafColumns: memo(() =>
[table.getAllColumns(), table._getOrderColumnsFn()], (allColumns, orderColumns) => {\n       let leafColumns =
allColumns.flatMap(column => column.getLeafColumns());\n       return orderColumns(leafColumns);\n     },\n     {\n

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key: process.env.NODE_ENV === 'development' && 'getAllLeafColumns',\n  debug: () =>
table.options.debugAll ?? table.options.debugColumns\n  })),\n  getColumn: columnId => {\n    const column =
table._getAllFlatColumnsById()[columnId];\n\n    if (!column) {\n      if (process.env.NODE_ENV !==
'production') {\n        console.warn(`[Table] Column with id ${columnId} does not exist.`);\n      }\n      throw
new Error();\n    }\n\n    return column;\n  }\n};\nObject.assign(table, coreInstance);\n\n
table._features.forEach(feature => {\n  return Object.assign(table, feature.createTable == null ? void 0 :
feature.createTable(table));\n});\n\nreturn table;\n\n\nfunction createCell(table, row, column, columnId) {\n
const getRenderValue = () => cell.getValue() ?? table.options.renderFallbackValue;\n\nconst cell = {\n  id:
`${row.id}_${column.id}`,\n  row,\n  column,\n  getValue: () => row.getValue(columnId),\n  renderValue:
getRenderValue,\n  getContext: memo(() => [table, column, row, cell], (table, column, row, cell) => ({\n
table,\n  column,\n  row,\n  cell: cell,\n  getValue: cell.getValue,\n  renderValue: cell.renderValue\n
})), {\n  key: process.env.NODE_ENV === 'development' && 'cell.getContext',\n  debug: () =>
table.options.debugAll\n  })\n};\n\n
table._features.forEach(feature => {\n  Object.assign(cell,
feature.createCell == null ? void 0 : feature.createCell(cell, column, row, table));\n  }, {});\n\nreturn
cell;\n\n\nconst createRow = (table, id, original, rowIndex, depth, subRows) => {\n  let row = {\n    id,\n    index:
rowIndex,\n    original,\n    depth,\n    _valuesCache: {},\n    getValue: columnId => {\n      if
(row._valuesCache.hasOwnProperty(columnId)) {\n        return row._valuesCache[columnId];\n      }\n\n      const
column = table.getColumn(columnId);\n\n      if (!column.accessorFn) {\n        return undefined;\n      }\n\n
row._valuesCache[columnId] = column.accessorFn(row.original, rowIndex);\n      return
row._valuesCache[columnId];\n    },\n    renderValue: columnId => row.getValue(columnId) ??
table.options.renderFallbackValue,\n    subRows: subRows ?? [],\n    getLeafRows: () => flattenBy(row.subRows, d
=> d.subRows),\n    getAllCells: memo(() => [table.getAllLeafColumns()], leafColumns => {\n      return
leafColumns.map(column => {\n        return createCell(table, row, column, column.id);\n      });\n    }, {\n  key:
process.env.NODE_ENV === 'development' && 'row.getAllCells',\n  debug: () => table.options.debugAll ??
table.options.debugRows\n  })),\n    _getAllCellsByColumnId: memo(() => [row.getAllCells()], allCells => {\n
return allCells.reduce((acc, cell) => {\n      acc[cell.column.id] = cell;\n      return acc;\n    }, {});\n  }, {\n
key: process.env.NODE_ENV === 'production' && 'row.getAllCellsByColumnId',\n  debug: () =>
table.options.debugAll ?? table.options.debugRows\n  })\n};\n\nfor (let i = 0; i < table._features.length; i++) {\n
const feature = table._features[i];\n  Object.assign(row, feature == null ? void 0 : feature.createRow == null ? void
0 : feature.createRow(row, table));\n  }\n\nreturn row;\n};\n\n// type Person = {\n//   firstName: string\n//
lastName: string\n//   age: number\n//   visits: number\n//   status: string\n//   progress: number\n//   createdAt:
Date\n//   nested: {\n//     foo: [\n//       {\n//         bar: 'bar'\n//       }]\n//     bar: { subBar: boolean }[]\n//     baz:
{\n//       foo: 'foo'\n//       bar: {\n//         baz: 'baz'\n//       }\n//     }\n//   }\n// }\n\nconst test: DeepKeys<Person> =
'nested.foo.0.bar'\nconst test2: DeepKeys<Person> = 'nested.bar'\nconst helper =
createColumnHelper<Person>()\n// helper.accessor('nested.foo', {\n//   cell: info => info.getValue(),\n// })\n//
helper.accessor('nested.foo.0.bar', {\n//   cell: info => info.getValue(),\n// })\n// helper.accessor('nested.bar', {\n//
cell: info => info.getValue(),\n// })\n\nfunction createColumnHelper() {\n  return {\n    accessor: (accessor, column)
=> {\n      return typeof accessor === 'function' ? { ...column,\n        accessorFn: accessor\n      } : { ...column,\n
accessorKey: accessor\n    };\n  },\n  display: column => column,\n  group: column => column\n
};\n}\n\nfunction getCoreRowModel() {\n  return table => memo(() => [table.options.data], data => {\n    const
rowModel = {\n      rows: [],\n      flatRows: [],\n      rowsById: {}\n    };\n\n    const accessRows = function
(originalRows, depth, parent) {\n      if (depth === void 0) {\n        depth = 0;\n      }\n\n      const rows = [];\n
for (let i = 0; i < originalRows.length; i++) {\n        // This could be an expensive check at scale, so we should move
it somewhere else, but where?\n        // if (!id) {\n        //   if (process.env.NODE_ENV !== 'production') {\n        //
throw new Error(`getRowId expected an ID, but got ${id}`)\n        // }\n        // }\n        // Make the row\n        const
row = createRow(table, table._getRowId(originalRows[i], i, parent), originalRows[i], i, depth); // Keep track of
every row in a flat array\n        rowModel.flatRows.push(row); // Also keep track of every row by its ID\n        rowModel.rowsById[row.id] = row; // Push table row into parent\n        rows.push(row); // Get the original

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j = 0; j < rowModel.flatRows.length; j++) {\n  const row = rowModel.flatRows[j];\n  row.columnFilters =
{};\n  if (resolvedColumnFilters.length) {\n    for (let i = 0; i < resolvedColumnFilters.length; i++) {\n
currentColumnFilter = resolvedColumnFilters[i];\n    const id = currentColumnFilter.id; // Tag the row with the
column filter state\n    row.columnFilters[id] = currentColumnFilter.filterFn(row, id,
currentColumnFilter.resolvedValue, filterMeta => {\n      row.columnFiltersMeta[id] = filterMeta;\n    });\n  }\n  }\n  if (resolvedGlobalFilters.length) {\n    for (let i = 0; i < resolvedGlobalFilters.length; i++) {\n
currentGlobalFilter = resolvedGlobalFilters[i];\n    const id = currentGlobalFilter.id; // Tag the row with the
first truthy global filter state\n    if (currentGlobalFilter.filterFn(row, id, currentGlobalFilter.resolvedValue,
filterMeta => {\n      row.columnFiltersMeta[id] = filterMeta;\n    }))) {\n
row.columnFilters.__global__ = true;\n    break;\n  }\n  }\n  if (row.columnFilters.__global__
!== true) {\n    row.columnFilters.__global__ = false;\n  }\n  }\n  const filterRowsImpl = row =>
{\n    // Horizontally filter rows through each column\n    for (let i = 0; i < filterableIds.length; i++) {\n      if
(row.columnFilters[filterableIds[i]] === false) {\n        return false;\n      }\n    }\n    return true;\n  }; // Filter
final rows using all of the active filters\n  return filterRows(rowModel.rows, filterRowsImpl, table);\n }, {\n
key: process.env.NODE_ENV === 'development' && 'getFilteredRowModel',\n  debug: () =>
table.options.debugAll ?? table.options.debugTable,\n  onChange: () => {\n    table._autoResetPageIndex();\n
  }\n });\n}\n\nfunction getFacetedRowModel() {\n  return (table, columnId) => memo(() =>
[table.getPreFilteredRowModel(), table.getState().columnFilters, table.getState().globalFilter,
table.getFilteredRowModel()], (preRowModel, columnFilters, globalFilter) => {\n    if (!preRowModel.rows.length
|| !(columnFilters != null && columnFilters.length) && !globalFilter) {\n      return preRowModel;\n    }\n    const
filterableIds = [...columnFilters.map(d => d.id).filter(d => d !== columnId), globalFilter ? '__global__':
undefined].filter(Boolean);\n    const filterRowsImpl = row => {\n      // Horizontally filter rows through each
column\n      for (let i = 0; i < filterableIds.length; i++) {\n        if (row.columnFilters[filterableIds[i]] === false) {\n
return false;\n        }\n      }\n      return true;\n    }; \n    return filterRows(preRowModel.rows,
filterRowsImpl, table);\n  }, {\n    key: process.env.NODE_ENV === 'development' && 'getFacetedRowModel_' +
columnId,\n    debug: () => table.options.debugAll ?? table.options.debugTable,\n    onChange: () => {\n
  }\n });\n}\n\nfunction getFacetedUniqueValues() {\n  return (table, columnId) => memo(() =>
[table.getColumn(columnId).getFacetedRowModel()], facetedRowModel => {\n    let facetedUniqueValues = new
Map();\n    for (let i = 0; i < facetedRowModel.flatRows.length; i++) {\n      var _facetedRowModel$flat;\n
const value = (_facetedRowModel$flat = facetedRowModel.flatRows[i]) == null ? void 0 :
_facetedRowModel$flat.getValue(columnId);\n    if (facetedUniqueValues.has(value)) {\n
facetedUniqueValues.set(value, (facetedUniqueValues.get(value) ?? 0) + 1);\n    } else {\n
facetedUniqueValues.set(value, 1);\n    }\n    }\n    return facetedUniqueValues;\n  }, {\n    key:
process.env.NODE_ENV === 'development' && 'getFacetedUniqueValues_' + columnId,\n    debug: () =>
table.options.debugAll ?? table.options.debugTable,\n    onChange: () => {\n
  }\n });\n}\n\nfunction
getFacetedMinMaxValues() {\n  return (table, columnId) => memo(() =>
[table.getColumn(columnId).getFacetedRowModel()], facetedRowModel => {\n    var _facetedRowModel$flat;\n
const firstValue = (_facetedRowModel$flat = facetedRowModel.flatRows[0]) == null ? void 0 :
_facetedRowModel$flat.getValue(columnId);\n    if (typeof firstValue === 'undefined') {\n      return undefined;\n
  }\n  }\n  let facetedMinMaxValues = [firstValue, firstValue];\n  for (let i = 0; i <
facetedRowModel.flatRows.length; i++) {\n    const value =
facetedRowModel.flatRows[i].getValue(columnId);\n    if (value < facetedMinMaxValues[0]) {\n
facetedMinMaxValues[0] = value;\n    } else if (value > facetedMinMaxValues[1]) {\n
facetedMinMaxValues[1] = value;\n    }\n    }\n    return facetedMinMaxValues;\n  }, {\n    key:
process.env.NODE_ENV === 'development' && 'getFacetedMinMaxValues_' + columnId,\n    debug: () =>
table.options.debugAll ?? table.options.debugTable,\n    onChange: () => {\n
  }\n });\n}\n\nfunction
getSortedRowModel() {\n  return table => memo(() => [table.getState().sorting, table.getPreSortedRowModel()],
(sorting, rowModel) => {\n    if (!rowModel.rows.length || !(sorting != null && sorting.length)) {\n      return

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rowModel;\n  }\n\n  const sortingState = table.getState().sorting;\n  const sortedFlatRows = []; // Filter out
  sortings that correspond to non existing columns\n\n  const availableSorting = sortingState.filter(sort =>
  table.getColumn(sort.id).getCanSort());\n  const columnInfoById = {};\n  availableSorting.forEach(sortEntry =>
  {\n    const column = table.getColumn(sortEntry.id);\n    columnInfoById[sortEntry.id] = {\n      sortUndefined:
  column.columnDef.sortUndefined,\n      invertSorting: column.columnDef.invertSorting,\n      sortingFn:
  column.getSortingFn()\n    };\n  });\n\n  const sortData = rows => {\n    // This will also perform a stable sorting
  using the row index\n    // if needed.\n    const sortedData = rows.slice();\n    sortedData.sort((rowA, rowB) =>
  {\n      for (let i = 0; i < availableSorting.length; i += 1) {\n        const sortEntry = availableSorting[i];\n        const columnInfo = columnInfoById[sortEntry.id];\n        const isDesc = (sortEntry === null ? void 0 :
  sortEntry.desc) ?? false;\n        if (columnInfo.sortUndefined) {\n          const aValue =
  rowA.getValue(sortEntry.id);\n          const bValue = rowB.getValue(sortEntry.id);\n          const aUndefined =
  typeof aValue === 'undefined';\n          const bUndefined = typeof bValue === 'undefined';\n          if
  (aUndefined || bUndefined) {\n            return aUndefined && bUndefined ? 0 : aUndefined ?
  columnInfo.sortUndefined : -columnInfo.sortUndefined;\n          }\n          // This function should always return in
  ascending order\n\n          let sortInt = columnInfo.sortingFn(rowA, rowB, sortEntry.id);\n          if (sortInt !== 0)
  {\n            if (isDesc) {\n              sortInt *= -1;\n            }\n            if (columnInfo.invertSorting) {\n
  sortInt *= -1;\n            }\n            return sortInt;\n          }\n          return rowA.index - rowB.index;\n        });
  // If there are sub-rows, sort them\n    sortedData.forEach(row => {\n      sortedFlatRows.push(row);\n      if
  (!row.subRows || row.subRows.length <= 1) {\n        return;\n      }\n      row.subRows =
  sortData(row.subRows);\n    });\n    return sortedData;\n  });\n  return {\n    rows:
  sortData(rowModel.rows),\n    flatRows: sortedFlatRows,\n    rowsById: rowModel.rowsById\n  };
  }, {\n    key: process.env.NODE_ENV === 'development' && 'getSortedRowModel',\n    debug: () =>
  table.options.debugAll ?? table.options.debugTable,\n    onChange: () => {\n      table._autoResetPageIndex();\n
  }\n  });\n\n\nfunction getGroupedRowModel() {\n  return table => memo(() => [table.getState().grouping,
  table.getPreGroupedRowModel()], (grouping, rowModel) => {\n    if (!rowModel.rows.length || !grouping.length)
  {\n      return rowModel;\n    } // Filter the grouping list down to columns that exist\n\n    const existingGrouping =
  grouping.filter(columnId => table.getColumn(columnId));\n    const groupedFlatRows = [];\n    const
  groupedRowsById = {};\n    // const onlyGroupedFlatRows: Row[] = [];\n    // const onlyGroupedRowsById:
  Record<RowId, Row> = {};\n    // const nonGroupedFlatRows: Row[] = [];\n    // const nonGroupedRowsById:
  Record<RowId, Row> = {};\n    // Recursively group the data\n\n    const groupUpRecursively = function (rows,
  depth, parentId) {\n      if (depth === void 0) {\n        depth = 0;\n      }\n      // Grouping depth has been met\n
      // Stop grouping and simply rewrite thd depth and row relationships\n      if (depth >= existingGrouping.length)
  {\n        return rows.map(row => {\n          row.depth = depth;\n          groupedFlatRows.push(row);\n
          groupedRowsById[row.id] = row;\n          if (row.subRows) {\n            row.subRows =
          groupUpRecursively(row.subRows, depth + 1);\n          }\n          return row;\n        });\n      }\n      const
  columnId = existingGrouping[depth]; // Group the rows together for this level\n      const rowGroupsMap =
  groupBy(rows, columnId); // Perform aggregations for each group\n      const aggregatedGroupedRows =
  Array.from(rowGroupsMap.entries()).map((_ref, index) => {\n        let [groupingValue, groupedRows] = _ref;\n
        let id = `${columnId}:${groupingValue}`;\n        id = parentId ? `${parentId}>${id}` : id; // First, Recurse to group
  sub rows before aggregation\n      const subRows = groupUpRecursively(groupedRows, depth + 1, id); // Flatten
  the leaf rows of the rows in this group\n      const leafRows = depth ? flattenBy(groupedRows, row =>
  row.subRows) : groupedRows;\n      const row = createRow(table, id, leafRows[0].original, index, depth);\n
      Object.assign(row, {\n        groupingColumnId: columnId,\n        groupingValue,\n        subRows,\n
        leafRows,\n        getValue: columnId => {\n          // Don't aggregate columns that are in the grouping\n          if
  (existingGrouping.includes(columnId)) {\n            if (row._valuesCache.hasOwnProperty(columnId)) {\n
              return row._valuesCache[columnId];\n            }\n            if (groupedRows[0]) {\n
              row._valuesCache[columnId] = groupedRows[0].getValue(columnId) ?? undefined;\n            }\n            return
  row._valuesCache[columnId];\n          }\n          if (row._groupingValuesCache.hasOwnProperty(columnId)) {\n

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        return row._groupingValuesCache[columnId];\n        } // Aggregate the values\n\n\n        const column
= table.getColumn(columnId);\n        const aggregateFn = column.getAggregationFn();\n        if
(aggregateFn) {\n        row._groupingValuesCache[columnId] = aggregateFn(columnId, leafRows,
groupedRows);\n        return row._groupingValuesCache[columnId];\n        }\n        });\n
subRows.forEach(subRow => {\n        groupedFlatRows.push(subRow);\n        groupedRowsById[subRow.id] =
subRow; // if (subRow.getIsGrouped?.()) {\n        // onlyGroupedFlatRows.push(subRow);\n        //
onlyGroupedRowsById[subRow.id] = subRow;\n        // } else {\n        //
nonGroupedFlatRows.push(subRow);\n        // nonGroupedRowsById[subRow.id] = subRow;\n        // }\n
});\n        return row;\n        });\n        return aggregatedGroupedRows;\n        });\n\n        const groupedRows =
groupUpRecursively(rowModel.rows, 0, "");\n        groupedRows.forEach(subRow => {\n
groupedFlatRows.push(subRow);\n        groupedRowsById[subRow.id] = subRow; // if (subRow.getIsGrouped?.())
{\n        // onlyGroupedFlatRows.push(subRow);\n        // onlyGroupedRowsById[subRow.id] = subRow;\n        // }
else {\n        // nonGroupedFlatRows.push(subRow);\n        // nonGroupedRowsById[subRow.id] = subRow;\n        //
}\n        });\n        return {\n        rows: groupedRows,\n        flatRows: groupedFlatRows,\n        rowsById:
groupedRowsById\n        }, {\n        key: process.env.NODE_ENV === 'development' &&
'getGroupedRowModel',\n        debug: () => table.options.debugAll ?? table.options.debugTable,\n        onChange: () =>
{\n        table._queue(() => {\n        table._autoResetExpanded();\n        table._autoResetPageIndex();\n        });\n
}\n        });\n\n\nfunction groupBy(rows, columnId) {\n        const groupMap = new Map();\n        return rows.reduce((map,
row) => {\n        const resKey = `${row.getValue(columnId)}`;\n        const previous = map.get(resKey);\n        if
(!previous) {\n        map.set(resKey, [row]);\n        } else {\n        map.set(resKey, [...previous, row]);\n        }\n
}\n        return
map;\n        }, groupMap);\n\n\nfunction getExpandedRowModel() {\n        return table => memo(() =>
[table.getState().expanded, table.getPreExpandedRowModel(), table.options.paginateExpandedRows], (expanded,
rowModel, paginateExpandedRows) => {\n        if (!rowModel.rows.length || expanded !== true &&
!Object.keys(expanded ?? {}).length) {\n        return rowModel;\n        }\n\n        if (!paginateExpandedRows) {\n        //
Only expand rows at this point if they are being paginated\n        return rowModel;\n        }\n\n        return
expandRows(rowModel);\n        }, {\n        key: process.env.NODE_ENV === 'development' &&
'getExpandedRowModel',\n        debug: () => table.options.debugAll ?? table.options.debugTable\n        });\n\n\nfunction
expandRows(rowModel) {\n        const expandedRows = [];\n\n        const handleRow = row => {\n        var
_row$subRows;\n\n        expandedRows.push(row);\n\n        if ((_row$subRows = row.subRows) != null &&
_row$subRows.length && row.getIsExpanded()) {\n        row.subRows.forEach(handleRow);\n        }\n        };\n\n
rowModel.rows.forEach(handleRow);\n        return {\n        rows: expandedRows,\n        flatRows: rowModel.flatRows,\n
rowsById: rowModel.rowsById\n        };\n\n\nfunction getPaginationRowModel(opts) {\n        return table => memo(() =>
[table.getState().pagination, table.getPrePaginationRowModel(), table.options.paginateExpandedRows ? undefined :
table.getState().expanded], (pagination, rowModel) => {\n        if (!rowModel.rows.length) {\n        return rowModel;\n
}\n\n        const {\n        pageSize,\n        pageIndex\n        } = pagination;\n        let {\n        rows,\n        flatRows,\n
rowsById\n        } = rowModel;\n        const pageStart = pageSize * pageIndex;\n        const pageEnd = pageStart +
pageSize;\n        rows = rows.slice(pageStart, pageEnd);\n        let paginatedRowModel;\n\n        if
(!table.options.paginateExpandedRows) {\n        paginatedRowModel = expandRows({\n        rows,\n
flatRows,\n        rowsById\n        });\n        } else {\n        paginatedRowModel = {\n        rows,\n        flatRows,\n
rowsById\n        };\n        }\n\n        paginatedRowModel.flatRows = [];\n\n        const handleRow = row => {\n
paginatedRowModel.flatRows.push(row);\n\n        if (row.subRows.length) {\n
row.subRows.forEach(handleRow);\n        }\n        };\n\n        paginatedRowModel.rows.forEach(handleRow);\n        return
paginatedRowModel;\n        }, {\n        key: process.env.NODE_ENV === 'development' && 'getPaginationRowModel',\n
debug: () => table.options.debugAll ?? table.options.debugTable\n        });\n\n\n\nexport { ColumnSizing, Expanding,
Filters, Grouping, Headers, Ordering, Pagination, Pinning, RowSelection, Sorting, Visibility, aggregationFns,
buildHeaderGroups, createCell, createColumn, createColumnHelper, createRow, createTable, defaultColumnSizing,
expandRows, filterFns, flattenBy, functionalUpdate, getCoreRowModel, getExpandedRowModel,
getFacetedMinMaxValues, getFacetedRowModel, getFacetedUniqueValues, getFilteredRowModel,

```



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,QAAQ,IAAI,KAAK,CAAC,SAAS,CAAC,QAAQ,CAAC,CAAC,CAAC;AACpF,IAAI,MAAM,eAAe,GAAG,EA  
AE,CAAC;AAC/B,IAAI,MAAM,eAAe,GAAG,EAAE,CAAC;AAC/B;AACA;AACA;AACA;AACA;AACA,IAAI,  
MAAM,kBAaKB,GAAG,UAAU,IAAI,EAAE,KAAK,EAAE,QAAQ,EAAE;AAC7E,MAAM,IAAI,KAAK,KAAK,  
KAAK,CAAC,EAAE;AAC5B,QAAQ,KAAK,GAAG,CAAC,CAAC;AACIB,OAAO;AACP;AACA;AACA;AACA  
,MAAM,IAAI,KAAK,IAAI,gBAAgB,CAAC,MAAM,EAAE;AAC5C,QAAQ,OAAO,IAAI,CAAC,GAAG,CAAC,  
GAAG,IAAI;AAC/B,UAAU,GAAG,CAAC,KAAK,GAAG,KAAK,CAAC;AAC5B,UAAU,eAAe,CAAC,IAAI,CA  
AC,GAAG,CAAC,CAAC;AACpC,UAAU,eAAe,CAAC,GAAG,CAAC,EAAE,CAAC,GAAG,GAAG,CAAC;AAC  
xC;AACA,UAAU,IAAI,GAAG,CAAC,OAAO,EAAE;AAC3B,YAAY,GAAG,CAAC,OAAO,GAAG,kBAaKB,CA  
AC,GAAG,CAAC,OAAO,EAAE,KAAK,GAAG,CAAC,CAAC,CAAC;AACrE,WAAW;AACX;AACA,UAAU,O  
AAO,GAAG,CAAC;AACrB,SAAS,CAAC,CAAC;AACX,OAAO;AACP;AACA,MAAM,MAAM,QAAQ,GAAG,  
gBAAgB,CAAC,KAAK,CAAC,CAAC;AAC/C;AACA,MAAM,MAAM,YAAY,GAAG,OAAO,CAAC,IAAI,EAA  
E,QAAQ,CAAC,CAAC;AACnD;AACA,MAAM,MAAM,qBAaQB,GAAG,KAAK,CAAC,IAAI,CAAC,YAAY,C  
AAC,OAAO,EAAE,CAAC,CAAC,GAAG,CAAC,CAAC,IAAI,EAAE,KAAK,KAAK;AAC5F,QAAQ,IAAI,CAA  
C,aAAa,EAAE,WAAW,CAAC,GAAG,IAAI,CAAC;AAC7D,QAAQ,IAAI,EAAE,GAAG,CAAC,EAAE,QAAQ,C  
AAC,CAAC,EAAE,aAAa,CAAC,CAAC,CAAC;AAC7D,QAAQ,EAAE,GAAG,QAAQ,GAAG,CAAC,EAAE,QA  
AQ,CAAC,CAAC,EAAE,EAAE,CAAC,CAAC,GAAG,EAAE,CAAC;AACjD;AACA,QAAQ,MAAM,OAAO,GA  
AG,kBAaKB,CAAC,WAAW,EAAE,KAAK,GAAG,CAAC,EAAE,EAAE,CAAC,CAAC;AACvE;AACA,QAAQ,

MAAM,QAAQ,GAAG,KAAK,GAAG,SAAS,CAAC,WAAW,EAAE,GAAG,IAAI,GAAG,CAAC,OAAO,CAAC,GAAG,WAAW,CAAC;AAC1F,QAAQ,MAAM,GAAG,GAAG,SAAS,CAAC,KAAK,EAAE,EAAE,EAAE,QAAQ,CAAC,CAAC,CAAC,CAAC,QAAQ,EAAE,KAAK,EAAE,KAAK,CAAC,CAAC;AAC7E,QAAQ,MAAM,CAAC,MAAM,CAAC,GAAG,EAAE;AAC3B,UAAU,gBAAgB,EAAE,QAAQ;AACpC,UAAU,aAAa;AACvB,UAAU,OAAO;AACjB,UAAU,QAAQ;AACiB,UAAU,QAAQ,EAAE,QAAQ,IAAI;AACChC;AACa,YAAy,IAAI,gBAAgB,CAAC,QAAQ,CAAC,QAAQ,CAAC,EAAE;AACrD,cAAc,IAAI,GAAG,CAAC,YAAy,CAAC,cAAc,CAAC,QAAQ,CAAC,EAAE;AAC7D,gBAAgB,OAAO,GAAG,CAAC,YAAy,CAAC,QAAQ,CAAC,CAAC;AACID,eAAe;AACf;AACa,cAAc,IAAI,WAAW,CAAC,CAAC,CAAC,EAAE;AACIC,gBAAgB,GAAG,CAAC,YAAy,CAAC,QAAQ,CAAC,GAAG,WAAW,CAAC,CAAC,CAAC,CAAC,QAAQ,CAAC,QAAQ,CAAC,IAAI,SAAS,CAAC;AAC5F,eAAe;AACf;AACa,cAAc,OAAO,GAAG,CAAC,YAAy,CAAC,QAAQ,CAAC,CAAC;AACChD,aAAa;AACb;AACa,YAAy,IAAI,GAAG,CAAC,oBAAoB,CAAC,cAAc,CAAC,QAAQ,CAAC,EAAE;AACnE,cAAc,OAAO,GAAG,CAAC,oBAAoB,CAAC,QAAQ,CAAC,CAAC;AACxD,aAAa;AACb;AACa;AACa,YAAy,MAAM,MAAM,GAAG,KAAK,CAAC,SAAS,CAAC,QAAQ,CAAC,CAAC;AACrD,YAAy,MAAM,WAAW,GAAG,MAAM,CAAC,gBAAgB,EAAE,CAAC;AACID;AACa,YAAy,IAAI,WAAW,EAAE;AAC7B,cAAc,GAAG,CAAC,oBAAoB,CAAC,QAAQ,CAAC,GAAG,WAAW,CAAC,QAAQ,EAAE,QAAQ,EAAE,WAAW,CAAC,CAAC;AACChG,cAAc,OAAO,GAAG,CAAC,oBAAoB,CAAC,QAAQ,CAAC,CAAC;AACxD,aAAa;AACb,WAAW;AACX,SAAS,CAAC,CAAC;AACX,QAAQ,OAAO,CAAC,OAAO,CAAC,MAAM,IAAI;AACIC,UAAU,eAAe,CAAC,IAAI,CAAC,MAAM,CAAC,CAAC;AACvC,UAAU,eAAe,CAAC,MAAM,CAAC,EAAE,CAAC,GAAG,MAAM,CAAC;AAC9C;AACa;AACa;AACa;AACa;AACa,SAAS,CAAC,CAAC;AACX,QAAQ,OAAO,GAAG,CAAC;AACnB,OAAO,CAAC,CAAC;AACT,MAAM,OAAO,qBAAqB,CAAC;AACnC,KAAK,CAAC;AACN;AACa,IAAI,MAAM,WAAW,GAAG,kBAAkB,CAAC,QAAQ,CAAC,IAAI,EAAE,CAAC,EAAE,EAAE,CAAC,CAAC;AACjE,IAAI,WAAW,CAAC,OAAO,CAAC,MAAM,IAAI;AACIC,MAAM,eAAe,CAAC,IAAI,CAAC,MAAM,CAAC,CAAC;AACnC,MAAM,eAAe,CAAC,MAAM,CAAC,EAAE,CAAC,GAAG,MAAM,CAAC;AACIC;AACa;AACa;AACa;AACa;AACa;AACa,KAAK,CAAC,CAAC;AACp,IAAI,OAAO;AACX,MAAM,IAAI,EAAE,WAAW;AACvB,MAAM,QAAQ,EAAE,eAAe;AAC/B,MAAM,QAAQ,EAAE,eAAe;AAC/B,KAAK,CAAC;AACN,GAAG,EAAE;AACL,IAAI,GAAG,EAAE,OAAO,CAAC,GAAG,CAAC,QAAQ,KAAK,aAAa,IAAI,oBAAoB;AACvE,IAAI,KAAK,EAAE,MAAM,KAAK,CAAC,OAAO,CAAC,QAAQ,IAAI,KAAK,CAAC,OAAO,CAAC,UAAU;AACnE,IAAI,QAAQ,EAAE,MAAM;AACpB,MAAM,KAAK,CAAC,MAAM,CAAC,MAAM;AACzB,QAAQ,KAAK,CAAC,kBAAkB,EAAE,CAAC;AACnC;AACa,QAAQ,KAAK,CAAC,mBAAmB,EAAE,CAAC;AACpC,OAAO,CAAC,CAAC;AACT,KAAK;AACL,GAAG,CAAC,CAAC;AACL,CAAC;AACD;AACa,SAAS,OAAO,CAAC,IAAI,EAAE,QAAQ,EAAE;AACjC,EAAE,MAAM,QAAQ,GAAG,IAAI,GAAG,EAAE,CAAC;AAC7B,EAAE,OAAO,IAAI,CAAC,MAAM,CAAC,CAAC,GAAG,EAAE,GAAG,KAAK;AACnC,IAAI,MAAM,MAAM,GAAG,CAAC,EAAE,GAAG,CAAC,QAAQ,CAAC,QAAQ,CAAC,CAAC,CAAC,CAAC;AAC/C,IAAI,MAAM,QAAQ,GAAG,GAAG,CAAC,GAAG,CAAC,MAAM,CAAC,CAAC;AACrC;AACa,IAAI,IAAI,CAAC,QAAQ,EAAE;AACnB,MAAM,GAAG,CAAC,GAAG,CAAC,MAAM,EAAE,CAAC,GAAG,CAAC,CAAC,CAAC;AAC7B,KAAK,MAAM;AACX,MAAM,GAAG,CAAC,GAAG,CAAC,MAAM,EAAE,CAAC,GAAG,QAAQ,EAAE,GAAG,CAAC,CAAC,CAAC;AACIC,KAAK;AACL;AACa,IAAI,OAAO,GAAG,CAAC;AACf,GAAG,EAAE,QAAQ,CAAC,CAAC;AACf,CAAC;AACD;AACa,SAAS,mBAAmB,GAAG;AAC/B,EAAE,OAAO,KAAK,IAAI,IAAI,CAAC,MAAM,CAAC,KAAK,CAAC,QAAQ,EAAE,CAAC,QAAQ,EAAE,KAAK,CAAC,sBAA sB,EAAE,EAAE,KAAK,CAAC,OAAO,CAAC,oBAAoB,CAAC,EAAE,CAAC,QAAQ,EAAE,QAAQ,EAAE,oBAAoB,KAAK;AAC5K,IAAI,IAAI,CAAC,QAAQ,CAAC,IAAI,CAAC,MAAM,IAAI,QAAQ,KAAK,IAAI,IAAI,CAAC,MAAM,CAAC,IAAI,CAAC,QAAQ,IAAI,EAAE,CAAC,CAAC,MAAM,EAAE;AAC3F,MAAM,OAAO,QAAQ,CAAC;AACtB,KAAK;AACL;AACa,IAAI,IAAI,CAAC,oBAAoB,EAAE;AAC/B;AACa,MAAM,OAAO,QAAQ,CAAC;AACtB,KAAK;AACL;AACa,IAAI,OAAO,UAAU,CAAC,QAAQ,CAAC,CAAC;AACChC,GAAG,EAAE;AACL,IAAI,GAAG,EAAE,OAAO,CAAC,GAAG,CAAC,QAAQ,KAAK,aAAa,IAAI,qBAAqB;AACxE,IAAI,KAAK,EAAE,MAAM,KAAK,CAAC,OAAO,CAAC,QAAQ,IAAI,KAAK,CAAC,OAAO,CAAC,UAAU;AACnE,GAAG,CAAC,CAAC;AACL,CAAC;AACD,SAAS,UAAU,CAAC,QAAQ,EAAE;AAC9B,EAAE,MAAM,YAAy,GAAG,EAAE,CAAC;AAC1B;AACa,EAAE,MAAM,SAAS,GAAG,GAAG,IAAI;AAC3B,IAAI,IAAI,YAAy,CAAC;AACrB;AACa,IAAI,YAAy,CAAC,IAAI,C



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const depEndTime = Math.round((Date.now() - depTime) * 100) / 100;\n    const resultEndTime =
Math.round((Date.now() - resultTime) * 100) / 100;\n    const resultFpsPercentage = resultEndTime / 16;\n\nconst pad = (str, num) => {\n    str = String(str);\n    while (str.length < num) {\n        str = ' ' + str;\n    }\n    return str;\n};\n    console.info(`%c $ ${pad(resultEndTime, 5)} / ${pad(depEndTime, 5)} ms`, `\n
font-size: .6rem;\n    font-weight: bold;\n    color: hsl(${Math.max(0, Math.min(120 - 120 *
resultFpsPercentage, 120))deg 100% 31%);`, opts == null ? void 0 : opts.key);\n    }\n    }\n\n    return result;\n
};\n}\n\nfunction createColumn(table, columnDef, depth, parent) {\n    const defaultColumn =
table._getDefaultColumnDef();\n    const resolvedColumnDef = { ...defaultColumn,\n        ...columnDef\n    };\n    const
accessorKey = resolvedColumnDef.accessorKey;\n    let id = resolvedColumnDef.id ?? (accessorKey ?
accessorKey.replace('.', '_') : undefined) ?? (typeof resolvedColumnDef.header === 'string' ?
resolvedColumnDef.header : undefined);\n    let accessorFn;\n\n    if (resolvedColumnDef.accessorFn) {\n
accessorFn = resolvedColumnDef.accessorFn;\n    } else if (accessorKey) {\n        // Support deep accessor keys\n        if
(accessorKey.includes('.')) {\n            accessorFn = originalRow => {\n                let result = originalRow;\n                for (const
key of accessorKey.split('.')) {\n                    result = result[key];\n                }\n                return result;\n            };
        } else {\n            accessorFn = originalRow => originalRow[resolvedColumnDef.accessorKey];\n        }\n    }\n\n    if (!id) {\n        if
(process.env.NODE_ENV !== 'production') {\n            throw new Error(resolvedColumnDef.accessorFn ? `Columns
require an id when using an accessorFn` : `Columns require an id when using a non-string header`);\n        }\n        throw
new Error();\n    }\n\n    let column = {\n        id: `${String(id)}`,\n        accessorFn,\n        parent: parent,\n        depth,\n
columnDef: resolvedColumnDef,\n        columns: [],\n        getFlatColumns: memo(() => [true], () => {\n            var
_column_$columns;\n            return [column, ...((_column_$columns = column.columns) == null ? void 0 :
_column_$columns.flatMap(d => d.getFlatColumns()))];\n        }),\n        key: process.env.NODE_ENV ===
'production' && 'column.getFlatColumns',\n        debug: () => table.options.debugAll ??
table.options.debugColumns\n    },\n    getLeafColumns: memo(() => [table._getOrderColumnsFn()],
orderColumns => {\n        var _column_$columns2;\n        if ((_column_$columns2 = column.columns) != null &&
_column_$columns2.length) {\n            let leafColumns = column.columns.flatMap(column =>
column.getLeafColumns());\n            return orderColumns(leafColumns);\n        }\n        return [column];\n    }),\n    key: process.env.NODE_ENV === 'production' && 'column.getLeafColumns',\n    debug: () =>
table.options.debugAll ?? table.options.debugColumns\n    });\n\n    column = table._features.reduce((obj, feature)
=> {\n        return Object.assign(obj, feature.createColumn == null ? void 0 : feature.createColumn(column, table));\n    },
column);\n    // Yes, we have to convert table to unknown, because we know more than the compiler here.\n\n    return
column;\n}\n\n\nfunction createHeader(table, column, options) {\n    const id = options.id ?? column.id;\n    let
header = {\n        id,\n        column,\n        index: options.index,\n        isPlaceholder: !!options.isPlaceholder,\n
placeholderId: options.placeholderId,\n        depth: options.depth,\n        subHeaders: [],\n        colSpan: 0,\n        rowSpan: 0,\n
headerGroup: null,\n        getLeafHeaders: () => {\n            const leafHeaders = [];\n            const recurseHeader = h => {\n
                if (h.subHeaders && h.subHeaders.length) {\n                    h.subHeaders.map(recurseHeader);\n                }\n
                leafHeaders.push(h);\n            };\n            recurseHeader(header);\n            return leafHeaders;\n        },\n        getContext: () =>
({\n            table,\n            header: header,\n            column\n        });\n    }\n\n    table._features.forEach(feature => {\n
Object.assign(header, feature.createHeader == null ? void 0 : feature.createHeader(header, table));\n    });\n\n    return
header;\n}\n\n\nconst Headers = {\n    createTable: table => {\n        return {\n            // Header Groups\n           
getHeaderGroups: memo(() => [table.getAllColumns(), table.getVisibleLeafColumns(),
table.getState().columnPinning.left, table.getState().columnPinning.right], (allColumns, leafColumns, left, right) =>
{\n                const leftColumns = (left == null ? void 0 : left.map(columnId => leafColumns.find(d => d.id ===
columnId))).filter(Boolean) ?? [];\n                const rightColumns = (right == null ? void 0 : right.map(columnId =>
leafColumns.find(d => d.id === columnId))).filter(Boolean) ?? [];\n                const centerColumns =
leafColumns.filter(column => !(left != null && left.includes(column.id)) && !(right != null &&
right.includes(column.id)));\n                const headerGroups = buildHeaderGroups(allColumns, [...leftColumns,
...centerColumns, ...rightColumns], table);\n                return headerGroups;\n            },\n            key:
process.env.NODE_ENV === 'development' && 'getHeaderGroups',\n            debug: () => table.options.debugAll ??

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table.options.debugHeaders\n    }),\n    getCenterHeaderGroups: memo(() => [table.getAllColumns(),
table.getVisibleLeafColumns(), table.getState().columnPinning.left, table.getState().columnPinning.right],
(allColumns, leafColumns, left, right) => {\n    leafColumns = leafColumns.filter(column => !(left != null &&
left.includes(column.id)) && !(right != null && right.includes(column.id))); \n    return
buildHeaderGroups(allColumns, leafColumns, table, 'center');\n    }, {\n    key: process.env.NODE_ENV ===
'development' && 'getCenterHeaderGroups',\n    debug: () => table.options.debugAll ??
table.options.debugHeaders\n    }),\n    getLeftHeaderGroups: memo(() => [table.getAllColumns(),
table.getVisibleLeafColumns(), table.getState().columnPinning.left], (allColumns, leafColumns, left) => {\n
const orderedLeafColumns = (left == null ? void 0 : left.map(columnId => leafColumns.find(d => d.id ===
columnId)).filter(Boolean)) ?? [];\n    return buildHeaderGroups(allColumns, orderedLeafColumns, table, 'left');\n
    }, {\n    key: process.env.NODE_ENV === 'development' && 'getLeftHeaderGroups',\n    debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getRightHeaderGroups: memo(() =>
[table.getAllColumns(), table.getVisibleLeafColumns(), table.getState().columnPinning.right], (allColumns,
leafColumns, right) => {\n    const orderedLeafColumns = (right == null ? void 0 : right.map(columnId =>
leafColumns.find(d => d.id === columnId)).filter(Boolean)) ?? [];\n    return buildHeaderGroups(allColumns,
orderedLeafColumns, table, 'right');\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getRightHeaderGroups',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    //
Footer Groups\n    getFooterGroups: memo(() => [table.getHeaderGroups()], headerGroups => {\n    return
[...headerGroups].reverse();\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getFooterGroups',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getLeftFooterGroups: memo(() => [table.getLeftHeaderGroups()], headerGroups => {\n    return
[...headerGroups].reverse();\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getLeftFooterGroups',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getCenterFooterGroups: memo(() => [table.getCenterHeaderGroups()], headerGroups => {\n    return
[...headerGroups].reverse();\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getCenterFooterGroups',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getRightFooterGroups: memo(() => [table.getRightHeaderGroups()], headerGroups => {\n    return
[...headerGroups].reverse();\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getRightFooterGroups',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    //
Flat Headers\n    getFlatHeaders: memo(() => [table.getHeaderGroups()], headerGroups => {\n    return
headerGroups.map(headerGroup => {\n    return headerGroup.headers;\n    }).flat();\n    }, {\n    key:
process.env.NODE_ENV === 'development' && 'getFlatHeaders',\n    debug: () => table.options.debugAll ??
table.options.debugHeaders\n    }),\n    getLeftFlatHeaders: memo(() => [table.getLeftHeaderGroups()], left =>
{\n    return left.map(headerGroup => {\n    return headerGroup.headers;\n    }).flat();\n    }, {\n    key:
process.env.NODE_ENV === 'development' && 'getLeftFlatHeaders',\n    debug: () => table.options.debugAll ??
table.options.debugHeaders\n    }),\n    getCenterFlatHeaders: memo(() => [table.getCenterHeaderGroups()], left
=> {\n    return left.map(headerGroup => {\n    return headerGroup.headers;\n    }).flat();\n    }, {\n
key: process.env.NODE_ENV === 'development' && 'getCenterFlatHeaders',\n    debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getRightFlatHeaders: memo(() =>
[table.getRightHeaderGroups()], left => {\n    return left.map(headerGroup => {\n    return
headerGroup.headers;\n    }).flat();\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getRightFlatHeaders',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    // Leaf
Headers\n    getCenterLeafHeaders: memo(() => [table.getCenterFlatHeaders()], flatHeaders => {\n    return
flatHeaders.filter(header => {\n    var _header$subHeaders;\n    return !((_header$subHeaders =
header.subHeaders) != null && _header$subHeaders.length);\n    });\n    }, {\n    key:
process.env.NODE_ENV === 'development' && 'getCenterLeafHeaders',\n    debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getLeftLeafHeaders: memo(() =>
[table.getLeftFlatHeaders()], flatHeaders => {\n    return flatHeaders.filter(header => {\n    var

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_header$subHeaders2;\n\n    return !((_header$subHeaders2 = header.subHeaders) != null &&
_header$subHeaders2.length);\n    });\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getLeftLeafHeaders',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n    }),\n    getRightLeafHeaders: memo(() => [table.getRightFlatHeaders(), flatHeaders => {\n    return
flatHeaders.filter(header => {\n    var _header$subHeaders3;\n\n    return !((_header$subHeaders3 =
header.subHeaders) != null && _header$subHeaders3.length);\n    });\n    }], {\n    key:
process.env.NODE_ENV === 'development' && 'getRightLeafHeaders',\n    debug: () => table.options.debugAll
?? table.options.debugHeaders\n    }),\n    getLeafHeaders: memo(() => [table.getLeftHeaderGroups(),
table.getCenterHeaderGroups(), table.getRightHeaderGroups()], (left, center, right) => {\n    var _left$, _center$,
_right$;\n\n    return [...(((_left$ = left[0]) == null ? void 0 : _left$.headers) ?? []), ...(((_center$ = center[0]) ==
null ? void 0 : _center$.headers) ?? []), ...(((_right$ = right[0]) == null ? void 0 : _right$.headers) ?? [])].map(header
=> {\n    return header.getLeafHeaders();\n    }).flat();\n    }], {\n    key: process.env.NODE_ENV ===
'development' && 'getLeafHeaders',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n
    })\n    });\n    });\n\nfunction buildHeaderGroups(allColumns, columnsToGroup, table, headerFamily) {\n    var
_headerGroups$;\n\n    // Find the max depth of the columns:\n    // build the leaf column row\n    // build each buffer
row going up\n    // placeholder for non-existent level\n    // real column for existing level\n    let maxDepth = 0;\n\n    const findMaxDepth = function (columns, depth) {\n    if (depth === void 0) {\n    depth = 1;\n    }\n\n    maxDepth
= Math.max(maxDepth, depth);\n    columns.filter(column => column.getIsVisible()).forEach(column => {\n    var
_column$columns;\n\n    if ((_column$columns = column.columns) != null && _column$columns.length) {\n
findMaxDepth(column.columns, depth + 1);\n    }\n    }, 0);\n    });\n\n    findMaxDepth(allColumns);\n    let
headerGroups = [];\n\n    const createHeaderGroup = (headersToGroup, depth) => {\n    // The header group we are
creating\n    const headerGroup = {\n    depth,\n    id: [headerFamily, `${depth}`].filter(Boolean).join('_'),\n
headers: []\n    }; // The parent columns we're going to scan next\n\n    const pendingParentHeaders = []; // Scan each
column for parents\n\n    headersToGroup.forEach(headerToGroup => {\n    // What is the latest (last) parent
column?\n    const latestPendingParentHeader = [...pendingParentHeaders].reverse()[0];\n    const isLeafHeader =
headerToGroup.column.depth === headerGroup.depth;\n    let column;\n    let isPlaceholder = false;\n\n    if
(isLeafHeader && headerToGroup.column.parent) {\n    // The parent header is new\n    column =
headerToGroup.column.parent;\n    } else {\n    // The parent header is repeated\n    column =
headerToGroup.column;\n    isPlaceholder = true;\n    }\n\n    if (latestPendingParentHeader &&
(latestPendingParentHeader == null ? void 0 : latestPendingParentHeader.column) === column) {\n    // This
column is repeated. Add it as a sub header to the next batch\n
latestPendingParentHeader.subHeaders.push(headerToGroup);\n    } else {\n    // This is a new header. Let's
create it\n    const header = createHeader(table, column, {\n    id: [headerFamily, depth, column.id,
headerToGroup == null ? void 0 : headerToGroup.id].filter(Boolean).join('_'),\n    isPlaceholder,\n
placeholderId: isPlaceholder ? `${pendingParentHeaders.filter(d => d.column === column).length}` : undefined,\n
depth,\n    index: pendingParentHeaders.length\n    }); // Add the headerToGroup as a subHeader of the
new header\n\n    header.subHeaders.push(headerToGroup); // Add the new header to the pendingParentHeaders
to get grouped\n    // in the next batch\n\n    pendingParentHeaders.push(header);\n    }\n\n    headerGroup.headers.push(headerToGroup);\n    headerToGroup.headerGroup = headerGroup;\n    });\n\n    headerGroups.push(headerGroup);\n\n    if (depth > 0) {\n    createHeaderGroup(pendingParentHeaders, depth -
1);\n    }\n    });\n\n    const bottomHeaders = columnsToGroup.map((column, index) => createHeader(table, column,
{\n    depth: maxDepth,\n    index\n    }));\n    createHeaderGroup(bottomHeaders, maxDepth - 1);\n\n    headerGroups.reverse(); // headerGroups = headerGroups.filter(headerGroup => {\n    // return
!headerGroup.headers.every(header => header.isPlaceholder)\n    // })\n\n    const recurseHeadersForSpans = headers
=> {\n    const filteredHeaders = headers.filter(header => header.column.getIsVisible());\n    return
filteredHeaders.map(header => {\n    let colSpan = 0;\n    let rowSpan = 0;\n    let childRowSpans = [0];\n\n    if
(header.subHeaders && header.subHeaders.length) {\n    childRowSpans = [];\n
recurseHeadersForSpans(header.subHeaders).forEach(_ref => {\n    let {\n    colSpan: childColSpan,\n

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false,\n      startOffset: null,\n      startSize: null,\n      deltaOffset: null,\n      deltaPercentage:
null,\n      columnSizingStart: []\n    ));\n  });\n  const mouseEvents = {\n    moveHandler:
e => onMove(e.clientX),\n    upHandler: e => {\n      document.removeEventListener('mousemove',
mouseEvents.moveHandler);\n      document.removeEventListener('mouseup', mouseEvents.upHandler);\n      onEnd(e.clientX);\n    }\n  };\n  const passiveIfSupported = passiveEventSupported() ? {\n    passive: false\n  } : false;\n  if (isTouchStartEvent(e) ; else {\n    document.addEventListener('mousemove', mouseEvents.moveHandler, passiveIfSupported);\n    document.addEventListener('mouseup', mouseEvents.upHandler, passiveIfSupported);\n  }\n  table.setColumnSizingInfo(old => ({ ...old,\n    startOffset: clientX,\n    startSize,\n    deltaOffset:
0,\n    deltaPercentage: 0,\n    columnSizingStart,\n    isResizingColumn: column.id\n  }));\n  });\n  },\n  createTable: table => {\n    return {\n      setColumnSizing: updater =>
table.options.onColumnSizingChange == null ? void 0 : table.options.onColumnSizingChange(updater),\n      setColumnSizingInfo: updater => table.options.onColumnSizingInfoChange == null ? void 0 :
table.options.onColumnSizingInfoChange(updater),\n      resetColumnSizing: defaultState => {\n        table.setColumnSizing(defaultState ? {} : table.initialState.columnSizing ?? {});\n      },\n      resetHeaderSizeInfo:
defaultState => {\n        table.setColumnSizingInfo(defaultState ? getDefaultColumnSizingInfoState() :
table.initialState.columnSizingInfo ?? getDefaultColumnSizingInfoState());\n      },\n      getTotalSize: () => {\n        var _table$headerGroup;\n        return ((_table$headerGroup = table.getHeaderGroups()[0]) == null ? void
0 : _table$headerGroup.headers.reduce((sum, header) => {\n          return sum + header.getSize();\n        }, 0)) ??
0;\n      },\n      getLeftTotalSize: () => {\n        var _table$leftHeaderG;\n        return ((_table$leftHeaderG = table.getLeftHeaderGroups()[0]) == null ? void 0 : _table$leftHeaderG.headers.reduce((sum, header) => {\n          return sum + header.getSize();\n        }, 0)) ?? 0;\n      },\n      getCenterTotalSize: () => {\n        var
_table$centerHeade;\n        return ((_table$centerHeade = table.getCenterHeaderGroups()[0]) == null ?
void 0 : _table$centerHeade.headers.reduce((sum, header) => {\n          return sum + header.getSize();\n        },
0)) ?? 0;\n      },\n      getRightTotalSize: () => {\n        var _table$rightHeader;\n        return
((_table$rightHeader = table.getRightHeaderGroups()[0]) == null ? void 0 :
_table$rightHeader.headers.reduce((sum, header) => {\n          return sum + header.getSize();\n        }, 0)) ?? 0;\n      }\n    };\n  }\n  let passiveSupported = null;\n  function passiveEventSupported() {\n    if (typeof passiveSupported
=== 'boolean') return passiveSupported;\n    let supported = false;\n    try {\n      const options = {\n        get passive()
{\n          supported = true;\n          return false;\n        }\n      };\n      const noop = () => {};\n      window.addEventListener('test', noop, options);\n      window.removeEventListener('test', noop);\n    } catch (err) {\n      supported = false;\n    }\n    passiveSupported = supported;\n    return passiveSupported;\n  }\n  function
isTouchStartEvent(e) {\n    return e.type === 'touchstart';\n  }\n  const Expanding = {\n    getInitialState: state =>
{\n      return {\n        expanded: {},\n        ...state\n      };\n    },\n    getDefaultOptions: table => {\n      return {\n        onExpandedChange: makeStateUpdater('expanded', table),\n        paginateExpandedRows: true\n      };\n    },\n    createTable: table => {\n      let registered = false;\n      let queued = false;\n      return {\n        _autoResetExpanded: () =>
{\n        if (!registered) {\n          table._queue(() => {\n            registered = true;\n          });\n        }\n        return;\n      }\n    },\n    if (table.options.autoResetAll ?? table.options.autoResetExpanded ?? !table.options.manualExpanding) {\n      if (queued) return;\n      queued = true;\n      table._queue(() => {\n        table.resetExpanded();\n        queued = false;\n      });\n    }\n  },\n  setExpanded: updater => table.options.onExpandedChange == null ?
void 0 : table.options.onExpandedChange(updater),\n  toggleAllRowsExpanded: expanded => {\n    if
(expanded ?? !table.getIsAllRowsExpanded()) {\n      table.setExpanded(true);\n    } else {\n      table.setExpanded({});\n    }\n  },\n  resetExpanded: defaultState => {\n    var _table$initialState;\n    table.setExpanded(defaultState ? {} : ((_table$initialState = table.initialState) == null ? void 0 :
_table$initialState.expanded) ?? {});\n  },\n  getCanSomeRowsExpand: () => {\n    return
table.getRowModel().flatRows.some(row => row.getCanExpand());\n  },\n  getToggleAllRowsExpandedHandler: () => {\n    return e => {\n      e.persist == null ? void 0 : e.persist();\n      table.toggleAllRowsExpanded();\n    };\n  },\n  getIsSomeRowsExpanded: () => {\n    const expanded =

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table.getState().expanded;\n    return expanded === true || Object.values(expanded).some(Boolean);\n  },\n  getIsAllRowsExpanded: () => {\n    const expanded = table.getState().expanded; // If expanded is true, save some
cycles and return true\n    if (typeof expanded === 'boolean') {\n      return expanded === true;\n    }\n    if (!Object.keys(expanded).length) {\n      return false;\n    } // If any row is not expanded, return false\n    if (table.getRowModel().flatRows.some(row => !row.getIsExpanded())) {\n      return false;\n    } // They must
all be expanded :shrug:\n    return true;\n  },\n  getExpandedDepth: () => {\n    let maxDepth = 0;\n    const rowIds = table.getState().expanded === true ? Object.keys(table.getRowModel().rowsById) :
Object.keys(table.getState().expanded);\n    rowIds.forEach(id => {\n      const splitId = id.split('.');\n      maxDepth = Math.max(maxDepth, splitId.length);\n    });\n    return maxDepth;\n  },\n  getPreExpandedRowModel: () => table.getSortedRowModel(),\n  getExpandedRowModel: () => {\n    if
(!table._getExpandedRowModel && table.options.getExpandedRowModel) {\n      table._getExpandedRowModel = table.options.getExpandedRowModel(table);\n    }\n    if
(table.options.manualExpanding || !table._getExpandedRowModel) {\n      return
table.getPreExpandedRowModel();\n    }\n    return table._getExpandedRowModel();\n  }\n  },\n  createRow: (row, table) => {\n    return {\n      toggleExpanded: expanded => {\n        table.setExpanded(old => {\n          const exists = old === true ? true : !(old != null && old[row.id]);\n          let oldExpanded = {};\n          if (old
=== true) {\n            Object.keys(table.getRowModel().rowsById).forEach(rowId => {\n              oldExpanded[rowId] = true;\n            });\n          } else {\n            oldExpanded = old;\n          }\n          expanded =
expanded ?? !exists;\n          if (!exists && expanded) {\n            return { ...oldExpanded,\n              [row.id]: true\n            };\n          }\n          if (exists && !expanded) {\n            const {\n              [row.id]: _,\n              ...rest\n            } = oldExpanded;\n            return rest;\n          }\n          return old;\n        });\n      },\n      getIsExpanded: () => {\n        const expanded = table.getState().expanded;\n        return !!(table.options.getIsRowExpanded == null ? void 0 :
table.options.getIsRowExpanded(row)) ?? (expanded === true || expanded != null && expanded[row.id]);\n      },\n      getCanExpand: () => {\n        var _row$subRows;\n        return (table.options.getRowCanExpand == null ? void
0 : table.options.getRowCanExpand(row)) ?? ((table.options.enableExpanding ?? true) && !((_row$subRows =
row.subRows) != null && _row$subRows.length));\n      },\n      getToggleExpandedHandler: () => {\n        const
canExpand = row.getCanExpand();\n        return () => {\n          if (!canExpand) return;\n          row.toggleExpanded();\n        };\n      };\n    };\n  },\n  includesString: (row, columnId, filterValue) => {\n    var _row$get
Value;\n    const search = filterValue.toLowerCase();\n    return (_row$get
Value = row.getValue(columnId)) == null ? void 0 :
_row$get
Value.toLowerCase().includes(search);\n  },\n  includesString.autoRemove: val =>
testFalsy(val);\n  includesStringSensitive: (row, columnId, filterValue) => {\n    var _row$get
Value2;\n    return (_row$get
Value2 = row.getValue(columnId)) == null ? void 0 :
_row$get
Value2.includes(filterValue);\n  },\n  includesStringSensitive.autoRemove: val =>
testFalsy(val);\n  equalsString: (row, columnId, filterValue) => {\n    var _row$get
Value3;\n    return
((_row$get
Value3 = row.getValue(columnId)) == null ? void 0 : _row$get
Value3.toLowerCase()) ===
filterValue.toLowerCase();\n  },\n  equalsString.autoRemove: val => testFalsy(val);\n  arrIncludes: (row,
columnId, filterValue) => {\n    var _row$get
Value4;\n    return (_row$get
Value4 = row.getValue(columnId)) ==
null ? void 0 : _row$get
Value4.includes(filterValue);\n  },\n  arrIncludes.autoRemove: val => testFalsy(val) ||
!(val != null && val.length);\n  arrIncludesAll: (row, columnId, filterValue) => {\n    return
!filterValue.some(val => {\n      var _row$get
Value5;\n      return !((_row$get
Value5 = row.getValue(columnId)) !=
null && _row$get
Value5.includes(val));\n    });\n  },\n  arrIncludesAll.autoRemove: val => testFalsy(val) || !(val !=
null && val.length);\n  arrIncludesSome: (row, columnId, filterValue) => {\n    return filterValue.some(val
=> {\n      var _row$get
Value6;\n      return (_row$get
Value6 = row.getValue(columnId)) ==
null ? void 0 :
_row$get
Value6.includes(val);\n    });\n  },\n  arrIncludesSome.autoRemove: val => testFalsy(val) || !(val !=
null && val.length);\n  equals: (row, columnId, filterValue) => {\n    return row.getValue(columnId) ===
filterValue;\n  },\n  equals.autoRemove: val => testFalsy(val);\n  weakEquals: (row, columnId,
filterValue) => {\n    return row.getValue(columnId) == filterValue;\n  },\n  weakEquals.autoRemove: val =>

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testFalsey(val);\n\nconst inNumberRange = (row, columnId, filterValue) => {\n  let [min, max] = filterValue;\n  const rowValue = row.getValue(columnId);\n  return rowValue >= min && rowValue <=
max;\n};\n\ninNumberRange.resolveFilterValue = val => {\n  let [unsafeMin, unsafeMax] = val;\n  let parsedMin =
typeof unsafeMin !== 'number' ? parseFloat(unsafeMin) : unsafeMin;\n  let parsedMax = typeof unsafeMax !==
'number' ? parseFloat(unsafeMax) : unsafeMax;\n  let min = unsafeMin === null || Number.isNaN(parsedMin) ? -
Infinity : parsedMin;\n  let max = unsafeMax === null || Number.isNaN(parsedMax) ? Infinity : parsedMax;\n  if
(min > max) {\n    const temp = min;\n    min = max;\n    max = temp;\n  }\n  return [min,
max];\n};\n\ninNumberRange.autoRemove = val => testFalsey(val) || testFalsey(val[0]) && testFalsey(val[1]); //
Export\n\nconst filterFns = {\n  includesString,\n  includesStringSensitive,\n  equalsString,\n  arrIncludes,\n
arrIncludesAll,\n  arrIncludesSome,\n  equals,\n  weakEquals,\n  inNumberRange\n};\n\n// Utils\nfunction
testFalsey(val) {\n  return val === undefined || val === null || val === '';\n}\n\nconst Filters = {\n
getDefaultColumnDef: () => {\n  return {\n    filterFn: 'auto'\n  };,\n  getInitialState: state => {\n  return {\n
columnFilters: [],\n    globalFilter: undefined,\n    // filtersProgress: 1,\n    // facetProgress: {},\n    ...state\n
};,\n  getOptions: table => {\n  return {\n    onColumnFiltersChange:
makeStateUpdater('columnFilters', table),\n    onGlobalFilterChange: makeStateUpdater('globalFilter', table),\n
filterFromLeafRows: false,\n    globalFilterFn: 'auto',\n    getColumnCanGlobalFilter: column => {\n    var
_table$getState$column, _table$getState$column2;\n    const value = (_table$getState$column =
table.getState().columnFilters) == null ? void 0 : (_table$getState$column2 =
_table$getState$column._getAllCellsByColumnId()(column.id)) == null ? void 0 :
_table$getState$column2.getValue();\n    return typeof value === 'string' || typeof value === 'number';\n  }
};,\n  createColumn: (column, table) => {\n  return {\n    getAutoFilterFn: () => {\n    const firstRow =
table.getState().flatRows[0];\n    const value = firstRow == null ? void 0 :
firstRow.getValue(column.id);\n    if (typeof value === 'string') {\n    return filterFns.includesString;\n
}\n    if (typeof value === 'number') {\n    return filterFns.inNumberRange;\n  }\n    if (typeof value
=== 'boolean') {\n    return filterFns.equals;\n  }\n    if (value !== null && typeof value === 'object') {\n
return filterFns.equals;\n  }\n    if (Array.isArray(value)) {\n    return filterFns.arrIncludes;\n  }\n
return filterFns.weakEquals;\n  },\n  getFilterFn: () => {\n  var _table$options$filter;\n  return
isFunction(column.columnDef.filterFn) ? column.columnDef.filterFn : column.columnDef.filterFn === 'auto'
? column.getAutoFilterFn() : ((_table$options$filter = table.options.filterFns) == null ? void 0 :
_table$options$filter[column.columnDef.filterFn]) ?? filterFns[column.columnDef.filterFn];\n  },\n  getCanFilter: () => {\n  return (column.columnDef.enableColumnFilter ?? true) &&
(table.options.enableColumnFilters ?? true) && (table.options.enableFilters ?? true) && !!column.accessorFn;\n
},\n  getCanGlobalFilter: () => {\n  return (column.columnDef.enableGlobalFilter ?? true) &&
(table.options.enableGlobalFilter ?? true) && (table.options.enableFilters ?? true) &&
((table.options.getColumnCanGlobalFilter == null ? void 0 : table.options.getColumnCanGlobalFilter(column)) ??
true) && !!column.accessorFn;\n  },\n  getIsFiltered: () => column.getFilterIndex() > -1,\n  getFilterValue: ()
=> {\n  var _table$getState$column, _table$getState$column2;\n  return (_table$getState$column =
table.getState().columnFilters) == null ? void 0 : (_table$getState$column2 = _table$getState$column.find(d => d.id
=== column.id)) == null ? void 0 : _table$getState$column2.value;\n  },\n  getFilterIndex: () => {\n  var
_table$getState$column3;\n  return ((_table$getState$column3 = table.getState().columnFilters) == null ? void 0 :
_table$getState$column3.findIndex(d => d.id === column.id)) ?? -1;\n  },\n  setFilterValue: value => {\n
table.setColumnFilters(old => {\n    const filterFn = column.getFilterFn();\n    const previousfilter = old ==
null ? void 0 : old.find(d => d.id === column.id);\n    const newFilter = functionalUpdate(value, previousfilter ?
previousfilter.value : undefined); /\n    if (shouldAutoRemoveFilter(filterFn, newFilter, column)) {\n
return (old == null ? void 0 : old.filter(d => d.id !== column.id)) ?? [];\n    }\n    const newFilterObj = {\n
id: column.id,\n    value: newFilter\n  };,\n    if (previousfilter) {\n    return (old == null ?
void 0 : old.map(d => {\n      if (d.id === column.id) {\n      return newFilterObj;\n    }\n    }\n
return d;\n  }))) ?? [];\n  }\n  if (old != null && old.length) {\n    return [...old,

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newFilterObj];\n      }\n      return [newFilterObj];\n    });\n  },\n  _getFacetedRowModel:\n  table.options.getFacetedRowModel && table.options.getFacetedRowModel(table, column.id),\n  getFacetedRowModel: () => {\n    if (!column._getFacetedRowModel) {\n      return\n      table.getPreFilteredRowModel();\n    }\n    return column._getFacetedRowModel();\n  },\n  _getFacetedUniqueValues: table.options.getFacetedUniqueValues && table.options.getFacetedUniqueValues(table,\n  column.id),\n  getFacetedUniqueValues: () => {\n    if (!column._getFacetedUniqueValues) {\n      return\n      new Map();\n    }\n    return column._getFacetedUniqueValues();\n  },\n  _getFacetedMinMaxValues:\n  table.options.getFacetedMinMaxValues && table.options.getFacetedMinMaxValues(table, column.id),\n  getFacetedMinMaxValues: () => {\n    if (!column._getFacetedMinMaxValues) {\n      return undefined;\n    }\n    return column._getFacetedMinMaxValues();\n  } // () => [column.getFacetedRowModel()],\n  //\n  facetedRowModel => getRowModelMinMaxValues(facetedRowModel, column.id),\n  },\n  },\n  createRow:\n  (row, table) => {\n    return {\n      columnFilters: {},\n      columnFiltersMeta: {}\n    };,\n    createTable: table\n    => {\n      return {\n        getGlobalAutoFilterFn: () => {\n          return filterFns.includesString;\n        },\n        getGlobalFilterFn: () => {\n          var _table$options$filter2;\n          const {\n            globalFilterFn: globalFilterFn\n          } = table.options;\n          return isFunction(globalFilterFn) ? globalFilterFn : globalFilterFn === 'auto' ?\n          table.getGlobalAutoFilterFn() : ((_table$options$filter2 = table.options.filterFns) == null ? void 0 :\n          _table$options$filter2[globalFilterFn]) ?? filterFns[globalFilterFn];\n        },\n        setColumnFilters: updater => {\n          const leafColumns = table.getAllLeafColumns();\n          const updateFn = old => {\n            var\n            _functionalUpdate;\n            return (_functionalUpdate = functionalUpdate(updater, old)) == null ? void 0 :\n            _functionalUpdate.filter(filter => {\n              const column = leafColumns.find(d => d.id === filter.id);\n              if\n              (column) {\n                const filterFn = column.getFilterFn();\n                if (shouldAutoRemoveFilter(filterFn,\n                filter.value, column)) {\n                  return false;\n                }\n                return true;\n              }\n            });\n          },\n          table.options.onColumnFiltersChange == null ? void 0 : table.options.onColumnFiltersChange(updateFn);\n        },\n        setGlobalFilter: updater => {\n          table.options.onGlobalFilterChange == null ? void 0 :\n          table.options.onGlobalFilterChange(updater);\n        },\n        resetGlobalFilter: defaultState => {\n          table.setGlobalFilter(defaultState ? undefined : table.initialState.globalFilter);\n        },\n        resetColumnFilters:\n        defaultState => {\n          var _table$initialState;\n          table.setColumnFilters(defaultState ? [] :\n          ((_table$initialState = table.initialState) == null ? void 0 : _table$initialState.columnFilters) ?? []);\n        },\n        getPreFilteredRowModel: () => table.getCoreRowModel(),\n        getFilteredRowModel: () => {\n          if\n          (!table._getFilteredRowModel && table.options.getFilteredRowModel) {\n            table._getFilteredRowModel =\n            table.options.getFilteredRowModel(table);\n          }\n          if (table.options.manualFiltering ||\n          !table._getFilteredRowModel) {\n            return table.getPreFilteredRowModel();\n          }\n          return\n          table._getFilteredRowModel();\n        },\n        _getGlobalFacetedRowModel: table.options.getFacetedRowModel &&\n        table.options.getFacetedRowModel(table, '__global__'),\n        getGlobalFacetedRowModel: () => {\n          if\n          (table.options.manualFiltering || !table._getGlobalFacetedRowModel) {\n            return\n            table.getPreFilteredRowModel();\n          }\n          return table._getGlobalFacetedRowModel();\n        },\n        _getGlobalFacetedUniqueValues: table.options.getFacetedUniqueValues &&\n        table.options.getFacetedUniqueValues(table, '__global__'),\n        getGlobalFacetedUniqueValues: () => {\n          if\n          (!table._getGlobalFacetedUniqueValues) {\n            return new Map();\n          }\n          return\n          table._getGlobalFacetedUniqueValues();\n        },\n        _getGlobalFacetedMinMaxValues:\n        table.options.getFacetedMinMaxValues && table.options.getFacetedMinMaxValues(table, '__global__'),\n        getGlobalFacetedMinMaxValues: () => {\n          if (!table._getGlobalFacetedMinMaxValues) {\n            return;\n          }\n          return table._getGlobalFacetedMinMaxValues();\n        }\n      };,\n      }\n    };,\n    }\n  };,\n  }\n};\n\nfunction\n  shouldAutoRemoveFilter(filterFn, value, column) {\n  return (filterFn && filterFn.autoRemove ?\n  filterFn.autoRemove(value, column) : false) || typeof value === 'undefined' || typeof value === 'string' &&\n  !value;\n}\n\nconst sum = (columnId, _leafRows, childRows) => {\n  // It's faster to just add the aggregations\n  together instead of\n  // process leaf nodes individually\n  return childRows.reduce((sum, next) => {\n    const\n    nextValue = next.getValue(columnId);\n    return sum + (typeof nextValue === 'number' ? nextValue : 0);\n  },\n
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0);\n};\n\nconst min = (columnId, _leafRows, childRows) => {\n  let min;\n  childRows.forEach(row => {\n    const\n    value = row.getValue(columnId);\n    if (value !== null && (min > value || min === undefined && value >= value))\n    {\n      min = value;\n    }\n  });\n  return min;\n};\n\nconst max = (columnId, _leafRows, childRows) => {\n  let\n  max;\n  childRows.forEach(row => {\n    const value = row.getValue(columnId);\n    if (value !== null && (max <\n    value || max === undefined && value >= value)) {\n      max = value;\n    }\n  });\n  return max;\n};\n\nconst extent\n= (columnId, _leafRows, childRows) => {\n  let min;\n  let max;\n  childRows.forEach(row => {\n    const value =\n    row.getValue(columnId);\n    if (value !== null) {\n      if (min === undefined) {\n        if (value >= value) min =\n        max = value;\n      } else {\n        if (min > value) min = value;\n        if (max < value) max = value;\n      }\n    }\n  });\n  return [min, max];\n};\n\nconst mean = (columnId, leafRows) => {\n  let count = 0;\n  let sum = 0;\n  leafRows.forEach(row => {\n    let value = row.getValue(columnId);\n    if (value !== null && (value = +value) >=\n    value) {\n      ++count, sum += value;\n    }\n  });\n  if (count) return sum / count;\n  return;\n};\n\nconst median =\n(columnId, leafRows) => {\n  if (!leafRows.length) {\n    return;\n  }\n  let min = 0;\n  let max = 0;\n  leafRows.forEach(row => {\n    let value = row.getValue(columnId);\n    if (typeof value === 'number') {\n      min = Math.min(min, value);\n      max = Math.max(max, value);\n    }\n  });\n  return (min + max) / 2;\n};\n\nconst\nunique = (columnId, leafRows) => {\n  return Array.from(new Set(leafRows.map(d =>\n  d.getValue(columnId))).values());\n};\n\nconst uniqueCount = (columnId, leafRows) => {\n  return new\n  Set(leafRows.map(d => d.getValue(columnId))).size;\n};\n\nconst count = (_columnId, leafRows) => {\n  return\n  leafRows.length;\n};\n\nconst aggregationFns = {\n  sum,\n  min,\n  max,\n  extent,\n  mean,\n  median,\n  unique,\n  uniqueCount,\n  count\n};\n\nconst Grouping = {\n  getDefaultColumnDef: () => {\n    return {\n      aggregatedCell: props => {\n        var _props$value;\n        return ((_props$value = props.getValue()) ==\n        null ? void 0 : _props$value.toString) == null ? void 0 : _props$value.toString() ?? null;\n      },\n      aggregationFn: 'auto'\n    };\n  },\n  getInitialState: state => {\n    return {\n      grouping: [],\n      ...state\n    };\n  },\n  getDefaultOptions: table => {\n    return {\n      onGroupingChange: makeStateUpdater('grouping', table),\n      groupedColumnMode: 'reorder'\n    };\n  },\n  createColumn: (column, table) => {\n    return {\n      toggleGrouping:\n      () => {\n        table.setGrouping(old => {\n          // Find any existing grouping for this column\n          if (old !== null\n          && old.includes(column.id)) {\n            return old.filter(d => d !== column.id);\n          }\n          return [...(old ??\n          []), column.id];\n        };\n      },\n      getCanGroup: () => {\n        return column.columnDef.enableGrouping ?? true\n        ?? table.options.enableGrouping ?? true ?? !!column.accessorFn;\n      },\n      getIsGrouped: () => {\n        var\n        _table$getState$group;\n        return (_table$getState$group = table.getState().grouping) == null ? void 0 :\n        _table$getState$group.includes(column.id);\n      },\n      getGroupedIndex: () => {\n        var\n        _table$getState$group2;\n        return (_table$getState$group2 = table.getState().grouping) == null ? void 0 :\n        _table$getState$group2.indexOf(column.id);\n      },\n      getToggleGroupingHandler: () => {\n        const canGroup\n        = column.getCanGroup();\n        return () => {\n          if (!canGroup) return;\n          column.toggleGrouping();\n        }\n      },\n      getAutoAggregationFn: () => {\n        const firstRow = table.getCoreRowModel().flatRows[0];\n        const value = firstRow == null ? void 0 : firstRow.getValue(column.id);\n        if (typeof value === 'number') {\n          return aggregationFns.sum;\n        }\n        if (Object.prototype.toString.call(value) === '[object Date]') {\n          return aggregationFns.extent;\n        }\n      },\n      getAggregationFn: () => {\n        var _table$options$aggreg;\n        if (!column) {\n          throw new Error();\n        }\n        return isFunction(column.columnDef.aggregationFn) ?\n        column.columnDef.aggregationFn : column.columnDef.aggregationFn === 'auto' ? column.getAutoAggregationFn()\n        : ((_table$options$aggreg = table.options.aggregationFns) == null ? void 0 :\n        _table$options$aggreg[column.columnDef.aggregationFn]) ??\n        aggregationFns[column.columnDef.aggregationFn];\n      }\n    };\n  },\n  createTable: table => {\n    return {\n      setGrouping: updater => table.options.onGroupingChange == null ? void 0 :\n      table.options.onGroupingChange(updater),\n      resetGrouping: defaultState => {\n        var _table$initialState;\n        table.setGrouping(defaultState ? [] : ((_table$initialState = table.initialState) == null ? void 0 :\n        _table$initialState.grouping) ?? []);\n      },\n      getPreGroupedRowModel: () => table.getFilteredRowModel(),\n      getGroupedRowModel: () => {\n        if (!table._getGroupedRowModel && table.options.getGroupedRowModel)\n        {\n          table._getGroupedRowModel = table.options.getGroupedRowModel(table);\n        }\n        if

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resetPageIndex: defaultState => {\n    var _table$initialState, _table$initialState$p;\n\n
table.setPageIndex(defaultState ? defaultPageIndex : ((_table$initialState = table.initialState) == null ? void 0 :
(_table$initialState$p = _table$initialState.pagination) == null ? void 0 : _table$initialState$p.pageIndex) ??
defaultPageIndex);\n    },\n    resetPageSize: defaultState => {\n    var _table$initialState2,
_table$initialState2$;\n\n    table.setPageSize(defaultState ? defaultPageSize : ((_table$initialState2 =
table.initialState) == null ? void 0 : (_table$initialState2$ = _table$initialState2.pagination) == null ? void 0 :
_table$initialState2$.pageSize) ?? defaultPageSize);\n    },\n    setPageSize: updater => {\n
table.setPagination(old => {\n    const pageSize = Math.max(1, functionalUpdate(updater, old.pageSize));\n
const topRowIndex = old.pageSize * old.pageIndex;\n    const pageIndex = Math.floor(topRowIndex /
pageSize);\n    return { ...old,\n    pageIndex,\n    pageSize\n    };\n    });\n    },\n
setPageCount: updater => table.setPagination(old => {\n    let newPageCount = functionalUpdate(updater,
table.options.pageCount ?? -1);\n\n    if (typeof newPageCount === 'number') {\n    newPageCount =
Math.max(-1, newPageCount);\n    }\n\n    return { ...old,\n    pageCount: newPageCount\n    };\n    }),\n
getPageOptions: memo(() => [table.getPageCount()], pageCount => {\n    let pageOptions = [];\n\n    if
(pageCount && pageCount > 0) {\n    pageOptions = [...new Array(pageCount)].fill(null).map((_, i) => i);\n
}\n\n    return pageOptions;\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getPageOptions',\n    debug: () => table.options.debugAll ?? table.options.debugTable\n    }),\n
getCanPreviousPage: () => table.getState().pagination.pageIndex > 0,\n    getCanNextPage: () => {\n    const {\n
pageIndex\n    } = table.getState().pagination;\n    const pageCount = table.getPageCount();\n\n    if
(pageCount === -1) {\n    return true;\n    }\n\n    if (pageCount === 0) {\n    return false;\n    }\n\n
return pageIndex < pageCount - 1;\n    },\n    previousPage: () => {\n    return table.setPageIndex(old => old -
1);\n    },\n    nextPage: () => {\n    return table.setPageIndex(old => {\n    return old + 1;\n    });\n    },\n
getPrePaginationRowModel: () => table.getExpandedRowModel(),\n    getPaginationRowModel: () => {\n
if (!table._getPaginationRowModel && table.options.getPaginationRowModel) {\n
table._getPaginationRowModel = table.options.getPaginationRowModel(table);\n    }\n\n    if
(table.options.manualPagination || !table._getPaginationRowModel) {\n    return
table.getPrePaginationRowModel();\n    }\n\n    return table._getPaginationRowModel();\n    },\n
getPageCount: () => {\n    return table.options.pageCount ??
Math.ceil(table.getPrePaginationRowModel().rows.length / table.getState().pagination.pageSize);\n    }\n    };\n
}\n};\n\n\nconst getDefaultPinningState = () => ({\n    left: [],\n    right: []\n});\n\nconst Pinning = {\n    getInitialState:
state => {\n    return {\n    columnPinning: getDefaultPinningState(),\n    ...state\n    };\n    },\n    getDefaultOptions:
table => {\n    return {\n    onColumnPinningChange: makeStateUpdater('columnPinning', table)\n    };\n    },\n
createColumn: (column, table) => {\n    return {\n    pin: position => {\n    const columnIds =
column.getLeafColumns().map(d => d.id).filter(Boolean);\n    table.setColumnPinning(old => {\n    if
(position === 'right') {\n    return {\n    left: ((old == null ? void 0 : old.left) ?? []).filter(d => !(columnIds
!= null && columnIds.includes(d))),\n    right: [...((old == null ? void 0 : old.right) ?? []).filter(d =>
!(columnIds != null && columnIds.includes(d))), ...columnIds]\n    };\n    }\n\n    if (position === 'left')
{\n    return {\n    left: [...((old == null ? void 0 : old.left) ?? []).filter(d => !(columnIds != null &&
columnIds.includes(d))), ...columnIds],\n    right: ((old == null ? void 0 : old.right) ?? []).filter(d =>
!(columnIds != null && columnIds.includes(d)))\n    };\n    }\n\n    return {\n    left: ((old == null ?
void 0 : old.left) ?? []).filter(d => !(columnIds != null && columnIds.includes(d))),\n    right: ((old == null ?
void 0 : old.right) ?? []).filter(d => !(columnIds != null && columnIds.includes(d)))\n    };\n    };\n    },\n
getCanPin: () => {\n    const leafColumns = column.getLeafColumns();\n    return leafColumns.some(d =>
(d.columnDef.enablePinning ?? true) && (table.options.enablePinning ?? true));\n    },\n    getIsPinned: () => {\n
const leafColumnIds = column.getLeafColumns().map(d => d.id);\n    const {\n    left,\n    right\n    }
= table.getState().columnPinning;\n    const isLeft = leafColumnIds.some(d => left == null ? void 0 :
left.includes(d));\n    const isRight = leafColumnIds.some(d => right == null ? void 0 : right.includes(d));\n
return isLeft ? 'left' : isRight ? 'right' : false;\n    },\n    getPinnedIndex: () => {\n    var _table$getState$colum,

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preGroupedFlatRows = table.getPreGroupedRowModel().flatRows; // We don't use `mutateRowIsSelected` here for
performance reasons.\n      // All of the rows are flat already, so it wouldn't be worth it\n\n      if (value) {\n        preGroupedFlatRows.forEach(row => {\n          if (!row.getCanSelect()) {\n            return;\n          }\n          rowSelection[row.id] = true;\n        });\n      } else {\n        preGroupedFlatRows.forEach(row => {\n          delete rowSelection[row.id];\n        });\n      }\n\n      return rowSelection;\n    });\n  },\n  toggleAllPageRowsSelected: value => table.setRowSelection(old => {\n    const resolvedValue = typeof value\n    !== 'undefined' ? value : !table.getIsAllPageRowsSelected();\n    const rowSelection = { ...old\n    });\n    table.getRowModel().rows.forEach(row => {\n      mutateRowIsSelected(rowSelection, row.id, resolvedValue,\n      table);\n    });\n    return rowSelection;\n  }),\n  // addRowSelectionRange: rowId => {\n  //   const {\n  //     rows,\n  //     rowsById,\n  //     options: { selectGroupingRows, selectSubRows },\n  //   } = table\n  // }\n  const findSelectedRow = (rows: Row[]) => {\n    // let found\n    // rows.find(d => {\n    //   if\n    (d.getIsSelected()) {\n    //     found = d\n    //     return true\n    //   }\n    //   const subFound =\n    findSelectedRow(d.subRows || [])\n    //   if (subFound) {\n    //     found = subFound\n    //     return\n    true\n    //   }\n    //   return false\n    // })\n    // return found\n    // }\n    // const firstRow =\n    findSelectedRow(rows) || rows[0]\n    // const lastRow = rowsById[rowId]\n    // let include = false\n    //\n    const selectedRowIds = {}\n    // const addRow = (row: Row) => {\n    //   //\n    //   mutateRowIsSelected(selectedRowIds, row.id, true, {\n    //     // rowsById,\n    //     // selectGroupingRows:\n    //     selectGroupingRows!,\n    //     // selectSubRows: selectSubRows!,\n    //     // })\n    //   }\n    // }\n    table.rows.forEach(row => {\n    //   const isFirstRow = row.id === firstRow.id\n    //   const isLastRow =\n    row.id === lastRow.id\n    //   if (isFirstRow || isLastRow) {\n    //     if (!include) {\n    //       include = true\n    //     }\n    //     } else if (include) {\n    //       addRow(row)\n    //       include = false\n    //     }\n    //   }\n    //   if\n    (include) {\n    //     addRow(row)\n    //   }\n    // }\n    // table.setRowSelection(selectedRowIds)\n    //\n    },\n    getPreSelectedRowModel: () => table.getCoreRowModel(),\n    getSelectedRowModel: memo(() => [table.getState().rowSelection, table.getCoreRowModel()], (rowSelection, rowModel) => {\n    if\n    (!Object.keys(rowSelection).length) {\n    return {\n    rows: [],\n    flatRows: [],\n    rowsById:\n    { }\n    };\n    }\n    return selectRowsFn(table, rowModel);\n  }), {\n    key: process.env.NODE_ENV\n    === 'development' && 'getSelectedRowModel',\n    debug: () => table.options.debugAll ??\n    table.options.debugTable\n  }),\n    getFilteredSelectedRowModel: memo(() => [table.getState().rowSelection,\n    table.getFilteredRowModel()], (rowSelection, rowModel) => {\n    if (!Object.keys(rowSelection).length) {\n    return {\n    rows: [],\n    flatRows: [],\n    rowsById: { }\n    };\n    }\n    return\n    selectRowsFn(table, rowModel);\n  }), {\n    key: process.env.NODE_ENV === 'production' &&\n    'getFilteredSelectedRowModel',\n    debug: () => table.options.debugAll ?? table.options.debugTable\n  }),\n    getGroupedSelectedRowModel: memo(() => [table.getState().rowSelection, table.getSortedRowModel()],\n    (rowSelection, rowModel) => {\n    if (!Object.keys(rowSelection).length) {\n    return {\n    rows: [],\n    flatRows: [],\n    rowsById: { }\n    };\n    }\n    return selectRowsFn(table, rowModel);\n  }), {\n    key: process.env.NODE_ENV === 'production' && 'getGroupedSelectedRowModel',\n    debug: () =>\n    table.options.debugAll ?? table.options.debugTable\n  }),\n    // getGroupingRowCanSelect: rowId =>\n    {\n    //   const row = table.getRow(rowId)\n    //   if (!row) {\n    //     throw new Error()\n    //   }\n    //   if\n    (typeof table.options.enableGroupingRowSelection === 'function') {\n    //     return\n    table.options.enableGroupingRowSelection(row)\n    //   }\n    //   return\n    table.options.enableGroupingRowSelection ?? false\n    // },\n    getIsAllRowsSelected: () => {\n    const\n    preGroupedFlatRows = table.getFilteredRowModel().flatRows;\n    const {\n    rowSelection\n    } =\n    table.getState();\n    let isAllRowsSelected = Boolean(preGroupedFlatRows.length &&\n    Object.keys(rowSelection).length);\n    if (isAllRowsSelected) {\n    if (preGroupedFlatRows.some(row =>\n    row.getCanSelect() && !rowSelection[row.id])) {\n    isAllRowsSelected = false;\n    }\n    }\n    return isAllRowsSelected;\n  },\n    getIsAllPageRowsSelected: () => {\n    const paginationFlatRows =\n    table.getPaginationRowModel().flatRows;\n    const {\n    rowSelection\n    } = table.getState();\n    let\n    isAllPageRowsSelected = !!paginationFlatRows.length;\n    if (isAllPageRowsSelected &&

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paginationFlatRows.some(row => !rowSelection[row.id])) {\n      isAllPageRowsSelected = false;\n    }\n\n    return isAllPageRowsSelected;\n  },\n  getIsSomeRowsSelected: () => {\n    const totalSelected = Object.keys(table.getState().rowSelection ?? {}).length;\n    return totalSelected > 0 && totalSelected < table.getFilteredRowModel().flatRows.length;\n  },\n  getIsSomePageRowsSelected: () => {\n    const paginationFlatRows = table.getPaginationRowModel().flatRows;\n    return table.getIsAllPageRowsSelected() ? false : paginationFlatRows.some(d => d.getIsSelected() || d.getIsSomeSelected());\n  },\n  getToggleAllRowsSelectedHandler: () => {\n    return e => {\n      table.toggleAllRowsSelected(e.target.checked);\n    };\n  },\n  getToggleAllPageRowsSelectedHandler: () => {\n    return e => {\n      table.toggleAllPageRowsSelected(e.target.checked);\n    };\n  },\n  createRow: (row, table) => {\n    return {\n      toggleSelected: value => {\n        const isSelected = row.getIsSelected();\n        table.setRowSelection(old => {\n          value = typeof value !== 'undefined' ? value : !isSelected;\n\n          if (isSelected === value) {\n            return old;\n          }\n\n          const selectedRowIds = { ...old\n        });\n        mutateRowIsSelected(selectedRowIds, row.id, value, table);\n        return selectedRowIds;\n      });\n    },\n    getIsSelected: () => {\n      const {\n        rowSelection\n      } = table.getState();\n      return isRowSelected(row, rowSelection);\n    },\n    getIsSomeSelected: () => {\n      const {\n        rowSelection\n      } = table.getState();\n      return isSubRowSelected(row, rowSelection) === 'some';\n    },\n    getIsAllSubRowsSelected: () => {\n      const {\n        rowSelection\n      } = table.getState();\n      return isSubRowSelected(row, rowSelection) === 'all';\n    },\n    getCanSelect: () => {\n      if (typeof table.options.enableRowSelection === 'function') {\n        return table.options.enableRowSelection(row);\n      }\n      return table.options.enableRowSelection ?? true;\n    },\n    getCanSelectSubRows: () => {\n      if (typeof table.options.enableSubRowSelection === 'function') {\n        return table.options.enableSubRowSelection(row);\n      }\n      return table.options.enableSubRowSelection ?? true;\n    },\n    getCanMultiSelect: () => {\n      if (typeof table.options.enableMultiRowSelection === 'function') {\n        return table.options.enableMultiRowSelection(row);\n      }\n      return table.options.enableMultiRowSelection ?? true;\n    },\n    getToggleSelectedHandler: () => {\n      const canSelect = row.getCanSelect();\n      return e => {\n        var _target;\n        if (!canSelect) return;\n        row.toggleSelected((_target = e.target) == null ? void 0 : _target.checked);\n      };\n    },\n    mutateRowIsSelected = (selectedRowIds, id, value, table) => {\n      var _row$subRows;\n      const row = table.getRow(id); // const isGrouped = row.getIsGrouped()\n      // if ( // TODO: enforce grouping row selection rules\n      // !isGrouped ||\n      // (isGrouped && table.options.enableGroupingRowSelection)\n      // ) {\n      //   if (value) {\n      //     if (!row.getCanMultiSelect()) {\n      //       Object.keys(selectedRowIds).forEach(key => delete selectedRowIds[key]);\n      //     }\n      //     if (row.getCanSelect()) {\n      //       selectedRowIds[id] = true;\n      //     } else {\n      //       delete selectedRowIds[id];\n      //     }\n      //   }\n      //   if ((_row$subRows = row.subRows) != null && _row$subRows.length && row.getCanSelectSubRows()) {\n      //     row.subRows.forEach(row => mutateRowIsSelected(selectedRowIds, row.id, value, table));\n      //   }\n      // }\n      function selectRowsFn(table, rowModel) {\n        const rowSelection = table.getState().rowSelection;\n        const newSelectedFlatRows = [];\n        const newSelectedRowsById = {};\n        // Filters top level and nested rows\n        const recurseRows = function (rows, depth) {\n          return rows.map(row => {\n            var _row$subRows2;\n            const isSelected = isRowSelected(row, rowSelection);\n            if (isSelected) {\n              newSelectedFlatRows.push(row);\n              newSelectedRowsById[row.id] = row;\n            }\n            if ((_row$subRows2 = row.subRows) != null && _row$subRows2.length) {\n              row = { ...row,\n                subRows: recurseRows(row.subRows)\n              };\n            }\n            if (isSelected) {\n              return row;\n            }\n          }).filter(Boolean);\n        };\n        return {\n          rows: recurseRows(rowModel.rows),\n          flatRows: newSelectedFlatRows,\n          rowsById: newSelectedRowsById\n        };\n      }\n      function isRowSelected(row, selection) {\n        return selection[row.id] ?? false;\n      }\n      function isSubRowSelected(row, selection, table) {\n        if (row.subRows && row.subRows.length) {\n          let allChildrenSelected = true;\n          let someSelected = false;\n          row.subRows.forEach(subRow => {\n            // Bail out early if we know both of these\n            if (someSelected && !allChildrenSelected) {\n              return;\n            }\n            if (isRowSelected(subRow, selection)) {\n              someSelected = true;\n            } else {\n              allChildrenSelected = false;\n            }\n          });\n          return allChildrenSelected ? 'all' : someSelected ? 'some' : false;\n        }\n        return false;\n      }\n      const

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reSplitAlphaNumeric = /([0-9]+)/gm;\n\nconst alphanumeric = (rowA, rowB, columnId) => {\n return
compareAlphanumeric(toString(rowA.getValue(columnId)).toLowerCase(),
toString(rowB.getValue(columnId)).toLowerCase());\n};\n\nconst alphanumericCaseSensitive = (rowA, rowB,
columnId) => {\n return compareAlphanumeric(toString(rowA.getValue(columnId)),
toString(rowB.getValue(columnId)));;\n}; // The text filter is more basic (less numeric support)\n// but is much
faster\n\nconst text = (rowA, rowB, columnId) => {\n return
compareBasic(toString(rowA.getValue(columnId)).toLowerCase(),
toString(rowB.getValue(columnId)).toLowerCase());;\n}; // The text filter is more basic (less numeric support)\n//
but is much faster\n\nconst textCaseSensitive = (rowA, rowB, columnId) => {\n return
compareBasic(toString(rowA.getValue(columnId)), toString(rowB.getValue(columnId)));;\n};\n\nconst datetime =
(rowA, rowB, columnId) => {\n const a = rowA.getValue(columnId);\n const b = rowB.getValue(columnId); //
Can handle nullish values\n // Use > and < because == (and ===) doesn't work with\n // Date objects (would
require calling getTime()).\n\n return a > b ? 1 : a < b ? -1 : 0;\n};\n\nconst basic = (rowA, rowB, columnId) => {\n
return compareBasic(rowA.getValue(columnId), rowB.getValue(columnId));;\n}; // Utils\n\nfunction
compareBasic(a, b) {\n return a === b ? 0 : a > b ? 1 : -1;\n}\n\nfunction toString(a) {\n if (typeof a === 'number')
{\n if (isNaN(a) || a === Infinity || a === -Infinity) {\n return '';\n }\n\n return String(a);\n }\n\n if (typeof a
=== 'string') {\n return a;\n }\n\n return '';\n} // Mixed sorting is slow, but very inclusive of many edge cases.\n//
It handles numbers, mixed alphanumeric combinations, and even\n// null, undefined, and Infinity\n\nfunction
compareAlphanumeric(aStr, bStr) {\n // Split on number groups, but keep the delimiter\n // Then remove falsey
split values\n const a = aStr.split(reSplitAlphaNumeric).filter(Boolean);\n const b =
bStr.split(reSplitAlphaNumeric).filter(Boolean); // While\n\n while (a.length && b.length) {\n const aa =
a.shift();\n const bb = b.shift();\n const an = parseInt(aa, 10);\n const bn = parseInt(bb, 10);\n const combo =
[an, bn].sort(); // Both are string\n\n if (isNaN(combo[0])) {\n if (aa > bb) {\n return 1;\n }\n\n if (bb
> aa) {\n return -1;\n }\n\n continue;\n } // One is a string, one is a number\n\n\n if (isNaN(combo[1]))
{\n return isNaN(an) ? -1 : 1;\n } // Both are numbers\n\n\n if (an > bn) {\n return 1;\n }\n\n if (bn >
an) {\n return -1;\n }\n }\n\n return a.length - b.length;\n} // Exports\n\nconst sortingFns = {\n
alphanumeric,\n alphanumericCaseSensitive,\n text,\n textCaseSensitive,\n datetime,\n basic;\n};\n\n//\n\nconst
Sorting = {\n getInitialState: state => {\n return {\n sorting: [],\n ...state\n };;\n },\n
getDefaultColumnDef: () => {\n return {\n sortingFn: 'auto'\n };;\n },\n getDefaultOptions: table => {\n
return {\n onSortingChange: makeStateUpdater('sorting', table),\n isMultiSortEvent: e => {\n return
e.shiftKey;\n }\n };;\n },\n createColumn: (column, table) => {\n return {\n getAutoSortingFn: () => {\n
const firstRows = table.getFilteredRowModel().flatRows.slice(10);\n let isString = false;\n\n for (const
row of firstRows) {\n const value = row == null ? void 0 : row.getValue(column.id);\n\n if
(Object.prototype.toString.call(value) === '[object Date]') {\n return sortingFns.datetime;\n }\n\n
if (typeof value === 'string') {\n isString = true;\n\n if (value.split(reSplitAlphaNumeric).length > 1)
{\n return sortingFns.alphanumeric;\n }\n\n }\n\n if (isString) {\n return
sortingFns.text;\n }\n\n return sortingFns.basic;\n },\n getAutoSortDir: () => {\n const firstRow =
table.getFilteredRowModel().flatRows[0];\n const value = firstRow == null ? void 0 :
firstRow.getValue(column.id);\n\n if (typeof value === 'string') {\n return 'asc';\n }\n\n return
'desc';\n },\n getSortingFn: () => {\n var _table$options$sortin;\n\n if (!column) {\n throw new
Error();\n }\n\n return isFunction(column.columnDef.sortingFn) ? column.columnDef.sortingFn :
column.columnDef.sortingFn === 'auto' ? column.getAutoSortingFn() : ((_table$options$sortin =
table.options.sortingFns) === null ? void 0 : _table$options$sortin[column.columnDef.sortingFn]) ??
sortingFns[column.columnDef.sortingFn];\n },\n toggleSorting: (desc, multi) => {\n // if
(column.columns.length) {\n // column.columns.forEach((c, i) => {\n // if (c.id) {\n //
table.toggleColumnSorting(c.id, undefined, multi || !!i)\n // }\n // })\n // return\n // }\n //
this needs to be outside of table.setSorting to be in sync with re-render\n const nextSortingOrder =
column.getNextSortingOrder();\n const hasManualValue = typeof desc !== 'undefined' && desc !== null;\n

```



```

{\n  onColumnVisibilityChange: makeStateUpdater('columnVisibility', table)\n  };\n },\n createColumn:
(column, table) => {\n  return {\n    toggleVisibility: value => {\n      if (column.getCanHide()) {\n
table.setColumnVisibility(old => ({ ...old,\n      [column.id]: value ?? !column.getIsVisible()\n
    });\n
  }\n  },\n  getIsVisible: () => {\n    var _table$getState$column;\n\n    return ((_table$getState$column =
table.getState().columnVisibility) == null ? void 0 : _table$getState$column[column.id]) ?? true;\n
  },\n  getCanHide: () => {\n    return (column.columnDef.enableHiding ?? true) && (table.options.enableHiding ??
true);\n
  },\n  getToggleVisibilityHandler: () => {\n    return e => {\n      column.toggleVisibility == null ?
void 0 : column.toggleVisibility(e.target.checked);\n
    };\n
  },\n  createRow: (row, table) => {\n
return {\n    _getAllVisibleCells: memo(() => [row.getAllCells(), table.getState().columnVisibility], cells => {\n
return cells.filter(cell => cell.column.getIsVisible());\n
    }, {\n      key: process.env.NODE_ENV ===
'production' && 'row._getAllVisibleCells',\n      debug: () => table.options.debugAll ?? table.options.debugRows\n
    }),\n    getVisibleCells: memo(() => [row.getLeftVisibleCells(), row.getCenterVisibleCells(),
row.getRightVisibleCells()], (left, center, right) => [...left, ...center, ...right], {\n      key: process.env.NODE_ENV
=== 'development' && 'row.getVisibleCells',\n      debug: () => table.options.debugAll ??
table.options.debugRows\n
    });\n
  },\n  createTable: table => {\n    const makeVisibleColumnsMethod =
(key, getColumns) => {\n      return memo(() => [getColumns(), getColumns().filter(d => d.getIsVisible()).map(d
=> d.id).join('_')], columns => {\n        return columns.filter(d => d.getIsVisible() == null ? void 0 :
d.getIsVisible());\n
      }, {\n        key,\n        debug: () => table.options.debugAll ?? table.options.debugColumns\n
      });\n
    };
\n    return {\n      getVisibleFlatColumns: makeVisibleColumnsMethod('getVisibleFlatColumns', () =>
table.getAllFlatColumns()),\n      getVisibleLeafColumns: makeVisibleColumnsMethod('getVisibleLeafColumns', ()
=> table.getAllLeafColumns()),\n      getLeftVisibleLeafColumns:
makeVisibleColumnsMethod('getLeftVisibleLeafColumns', () => table.getLeftLeafColumns()),\n      getRightVisibleLeafColumns: makeVisibleColumnsMethod('getRightVisibleLeafColumns', () =>
table.getRightLeafColumns()),\n      getCenterVisibleLeafColumns:
makeVisibleColumnsMethod('getCenterVisibleLeafColumns', () => table.getCenterLeafColumns()),\n      setColumnVisibility: updater => table.options.onColumnVisibilityChange == null ? void 0 :
table.options.onColumnVisibilityChange(updater),\n      resetColumnVisibility: defaultState => {\n
table.setColumnVisibility(defaultState ? {} : table.initialState.columnVisibility ?? {});\n
    },\n      toggleAllColumnsVisible: value => {\n        value = value ?? !table.getIsAllColumnsVisible();\n
table.setColumnVisibility(table.getAllLeafColumns().reduce((obj, column) => ({ ...obj,\n      [column.id]: !value ?
!(column.getCanHide != null && column.getCanHide()) : value\n
    }), {}));\n
    },\n      getIsAllColumnsVisible: () => !table.getAllLeafColumns().some(column => !(column.getIsVisible != null &&
column.getIsVisible())),\n      getIsSomeColumnsVisible: () => table.getAllLeafColumns().some(column =>
column.getIsVisible == null ? void 0 : column.getIsVisible()),\n      getToggleAllColumnsVisibilityHandler: () =>
{\n        return e => {\n          var _target;\n\n          table.toggleAllColumnsVisible((_target = e.target) == null ? void
0 : _target.checked);\n
        };\n
      };
\n    const features = [Headers, Visibility, Ordering, Pinning,
Filters, Sorting, Grouping, Expanding, Pagination, RowSelection, ColumnSizing]; //\n\nfunction
createTable(options) {\n  if (options.debugAll || options.debugTable) {\n    console.info('Creating Table
Instance...');\n
  }\n\n  let table = {\n    _features: features\n  };\n\n  const defaultOptions =
table._features.reduce((obj, feature) => {\n    return Object.assign(obj, feature.getDefaultOptions == null ? void 0 :
feature.getDefaultOptions(table));\n
  }, {});\n\n  const mergeOptions = options => {\n    if
(table.options.mergeOptions) {\n      return table.options.mergeOptions(defaultOptions, options);\n
    }\n\n    return {
...defaultOptions,\n    ...options\n
  };
\n  const coreInitialState = {};\n  let initialState = {
...coreInitialState,\n  ...(options.initialState ?? {})\n
};
\n  table._features.forEach(feature => {\n    initialState =
(feature.getInitialState == null ? void 0 : feature.getInitialState(initialState)) ?? initialState;\n
  });\n\n  const queued
= [];\n  let queuedTimeout = false;\n  const coreInstance = {\n    _features: features,\n    options: {
...defaultOptions,\n    ...options\n
  },\n    initialState,\n    _queue: cb => {\n      queued.push(cb);\n\n      if
(!queuedTimeout) {\n        queuedTimeout = true; // Schedule a microtask to run the queued callbacks after\n
//

```

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the current call stack (render, etc) has finished.\n\n    Promise.resolve().then(() => {\n        while (queued.length)
{\n            queued.shift();\n        }\n        queuedTimeout = false;\n    }).catch(error => setTimeout(() => {\n
        throw error;\n    }));\n    },\n    reset: () => {\n        table.setState(table.initialState);\n    },\n    setOptions: updater => {\n        const newOptions = functionalUpdate(updater, table.options);\n        table.options =
mergeOptions(newOptions);\n    },\n    getState: () => {\n        return table.options.state;\n    },\n    setState: updater
=> {\n        table.options.onStateChange == null ? void 0 : table.options.onStateChange(updater);\n    },\n    _getRowId: (row, index, parent) => (table.options.getRowId == null ? void 0 : table.options.getRowId(row, index,
parent)) ?? `${parent} [parent.id, index].join('.') : index`},\n    getCoreRowModel: () => {\n        if
(!table._getCoreRowModel) {\n            table._getCoreRowModel = table.options.getCoreRowModel(table);\n        }\n        return table._getCoreRowModel();\n    },\n    // The final calls start at the bottom of the model,\n    // expanded
rows, which then work their way up\n    getRowModel: () => {\n        return table.getPaginationRowModel();\n    },\n    getRow: id => {\n        const row = table.getRowModel().rowsById[id];\n        if (!row) {\n            if
(process.env.NODE_ENV !== 'production') {\n                throw new Error(`getRow expected an ID, but got ${id}`);\n            }\n            throw new Error();\n        }\n        return row;\n    },\n    _getDefaultColumnDef: memo(() =>
[table.options.defaultColumn], defaultColumn => {\n        defaultColumn = defaultColumn ?? {};\n        return {\n            header: props => {\n                const resolvedColumnDef = props.header.column.columnDef;\n                if
(resolvedColumnDef.accessorKey) {\n                    return resolvedColumnDef.accessorKey;\n                }\n                if
(resolvedColumnDef.accessorFn) {\n                    return resolvedColumnDef.id;\n                }\n                return null;\n            },\n            // footer: props => props.header.column.id,\n            cell: props => {\n                var _props$renderValue;\n                return ((_props$renderValue = props.renderValue()) == null ? void 0 : _props$renderValue.toString() == null ? void 0 : _props$renderValue.toString()) ?? null;\n            },\n            ...table._features.reduce((obj, feature) => {\n                return
Object.assign(obj, feature.getDefaultColumnDef() == null ? void 0 : feature.getDefaultColumnDef());\n            }, {}),\n            ...defaultColumn\n        };,\n        }, {\n            debug: () => table.options.debugAll ?? table.options.debugColumns,\n            key: process.env.NODE_ENV === 'development' && 'getDefaultColumnDef'\n        }},\n    _getColumnDefs: () =>
table.options.columns,\n    getAllColumns: memo(() => [table._getColumnDefs()], columnDefs => {\n        const
recurseColumns = function (columnDefs, parent, depth) {\n            if (depth === void 0) {\n                depth = 0;\n            }\n            return columnDefs.map(columnDef => {\n                const column = createColumn(table, columnDef, depth,
parent);\n                const groupingColumnDef = columnDef;\n                column.columns = groupingColumnDef.columns ?
recurseColumns(groupingColumnDef.columns, column, depth + 1) : [];\n                return column;\n            });\n        };\n        return recurseColumns(columnDefs);\n    }, {\n        key: process.env.NODE_ENV === 'development' &&
'getAllColumns',\n        debug: () => table.options.debugAll ?? table.options.debugColumns\n    }},\n    getAllFlatColumns: memo(() => [table.getAllColumns()], allColumns => {\n        return allColumns.flatMap(column
=> {\n            return column.getFlatColumns();\n        });\n    }, {\n        key: process.env.NODE_ENV === 'development'
&& 'getAllFlatColumns',\n        debug: () => table.options.debugAll ?? table.options.debugColumns\n    }},\n    _getAllFlatColumnsById: memo(() => [table.getAllFlatColumns()], flatColumns => {\n        return
flatColumns.reduce((acc, column) => {\n            acc[column.id] = column;\n            return acc;\n        }, {});\n    }, {\n        key: process.env.NODE_ENV === 'development' && 'getAllFlatColumnsById',\n        debug: () =>
table.options.debugAll ?? table.options.debugColumns\n    }},\n    getAllLeafColumns: memo(() =>
[table.getAllColumns(), table._getOrderColumnsFn()], (allColumns, orderColumns) => {\n        let leafColumns =
allColumns.flatMap(column => column.getLeafColumns());\n        return orderColumns(leafColumns);\n    }, {\n        key: process.env.NODE_ENV === 'development' && 'getAllLeafColumns',\n        debug: () =>
table.options.debugAll ?? table.options.debugColumns\n    }},\n    getColumn: columnId => {\n        const column =
table._getAllFlatColumnsById()[columnId];\n        if (!column) {\n            if (process.env.NODE_ENV !==
'production') {\n                console.warn(`[Table] Column with id ${columnId} does not exist.`);\n            }\n            throw
new Error();\n        }\n        return column;\n    };\n    Object.assign(table, coreInstance);\n\n    table._features.forEach(feature => {\n        return Object.assign(table, feature.createTable == null ? void 0 :
feature.createTable(table));\n    });\n\n    return table;\n\n}\n\nfunction createCell(table, row, column, columnId) {\n    const getRenderValue = () => cell.getValue() ?? table.options.renderFallbackValue;\n\n    const cell = {\n        id:

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`_${row.id}_${column.id}`,\n row,\n column,\n getValue: () => row.getValue(columnId),\n renderValue:
getRenderValue,\n getContext: memo(() => [table, column, row, cell], (table, column, row, cell) => ({\n
table,\n column,\n row,\n cell: cell,\n getValue: cell.getValue,\n renderValue: cell.renderValue\n
})), {\n key: process.env.NODE_ENV === 'development' && 'cell.getContext',\n debug: () =>
table.options.debugAll\n })\n };\n\n table._features.forEach(feature => {\n Object.assign(cell,
feature.createCell == null ? void 0 : feature.createCell(cell, column, row, table));\n }, {});\n\n return
cell;\n}\n\nconst createRow = (table, id, original, rowIndex, depth, subRows) => {\n let row = {\n id,\n index:
rowIndex,\n original,\n depth,\n _valuesCache: {},\n getValue: columnId => {\n if
(row._valuesCache.hasOwnProperty(columnId)) {\n return row._valuesCache[columnId];\n }\n\n const
column = table.getColumn(columnId);\n\n if (!column.accessorFn) {\n return undefined;\n }\n\n
row._valuesCache[columnId] = column.accessorFn(row.original, rowIndex);\n return
row._valuesCache[columnId];\n },\n renderValue: columnId => row.getValue(columnId) ??
table.options.renderFallbackValue,\n subRows: subRows ?? [],\n getLeafRows: () => flattenBy(row.subRows, d
=> d.subRows),\n getAllCells: memo(() => [table.getAllLeafColumns()], leafColumns => {\n return
leafColumns.map(column => {\n return createCell(table, row, column, column.id);\n })\n }, {\n key:
process.env.NODE_ENV === 'development' && 'row.getAllCells',\n debug: () => table.options.debugAll ??
table.options.debugRows\n })),\n _getAllCellsByColumnId: memo(() => [row.getAllCells()], allCells => {\n
return allCells.reduce((acc, cell) => {\n acc[cell.column.id] = cell;\n return acc;\n }, {});\n }, {\n
key: process.env.NODE_ENV === 'production' && 'row.getAllCellsByColumnId',\n debug: () =>
table.options.debugAll ?? table.options.debugRows\n })\n };\n\n for (let i = 0; i < table._features.length; i++) {\n
const feature = table._features[i];\n Object.assign(row, feature == null ? void 0 : feature.createRow == null ? void
0 : feature.createRow(row, table));\n }\n\n return row;\n};\n\n// type Person = {\n// firstName: string\n//
lastName: string\n// age: number\n// visits: number\n// status: string\n// progress: number\n// createdAt:
Date\n// nested: {\n// foo: [\n// {\n// bar: 'bar'\n// }\n// ]\n// bar: { subBar: boolean }[]\n// baz:
{\n// foo: 'foo'\n// bar: {\n// baz: 'baz'\n// }\n// }\n// }\n// }\n// const test: DeepKeys<Person> =
'nested.foo.0.bar'\n// const test2: DeepKeys<Person> = 'nested.bar'\n// const helper =
createColumnHelper<Person>()\n// helper.accessor('nested.foo', {\n// cell: info => info.getValue(),\n// })\n//
helper.accessor('nested.foo.0.bar', {\n// cell: info => info.getValue(),\n// })\n// helper.accessor('nested.bar', {\n//
cell: info => info.getValue(),\n// })\n\nfunction createColumnHelper() {\n return {\n accessor: (accessor, column)
=> {\n return typeof accessor === 'function' ? { ...column,\n accessorFn: accessor\n } : { ...column,\n
accessorKey: accessor\n };\n },\n display: column => column,\n group: column => column\n
};\n}\n\nfunction getCoreRowModel() {\n return table => memo(() => [table.options.data], data => {\n const
rowModel = {\n rows: [],\n flatRows: [],\n rowsById: {};\n };\n\n const accessRows = function
(originalRows, depth, parent) {\n if (depth === void 0) {\n depth = 0;\n }\n\n const rows = [];\n
for (let i = 0; i < originalRows.length; i++) {\n // This could be an expensive check at scale, so we should move
it somewhere else, but where?\n // if (!id) {\n // if (process.env.NODE_ENV !== 'production') {\n //
throw new Error(`getRowId expected an ID, but got ${id}`)\n // }\n // }\n // Make the row\n const
row = createRow(table, table._getRowId(originalRows[i], i, parent), originalRows[i], i, depth); // Keep track of
every row in a flat array\n rowModel.flatRows.push(row); // Also keep track of every row by its ID\n
rowModel.rowsById[row.id] = row; // Push table row into parent\n rows.push(row); // Get the original
subrows\n\n if (table.options.getSubRows) {\n var _row$originalSubRows;\n\n row.originalSubRows =
table.options.getSubRows(originalRows[i], i); // Then recursively access them\n\n if
((_row$originalSubRows = row.originalSubRows) != null && _row$originalSubRows.length) {\n
row.subRows = accessRows(row.originalSubRows, depth + 1, row);\n }\n }\n\n return rows;\n
};\n\n rowModel.rows = accessRows(data);\n return rowModel;\n }, {\n key: process.env.NODE_ENV ===
'development' && 'getRowModel',\n debug: () => table.options.debugAll ?? table.options.debugTable,\n
onChange: () => {\n table._autoResetPageIndex();\n }\n };\n}\n\nfunction filterRows(rows, filterRowImpl,
table) {\n if (table.options.filterFromLeafRows) {\n return filterRowModelFromLeafs(rows, filterRowImpl,

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table);
}

return filterRowModelFromRoot(rows, filterRowImpl, table);
}

function
filterRowModelFromLeafs(rowsToFilter, filterRow, table) {
  const newFilteredFlatRows = [];
  const
  newFilteredRowsById = {};

  const recurseFilterRows = function (rowsToFilter, depth) {
    const rows = [];

    // Filter from children up first
    for (let i = 0; i < rowsToFilter.length; i++) {
      const _row$subRows;
      let
      row = rowsToFilter[i];

      if ((_row$subRows = row.subRows) != null && _row$subRows.length) {
        const
        newRow = createRow(table, row.id, row.original, row.index, row.depth);
        newRow.columnFilters =
        row.columnFilters;
        newRow.subRows = recurseFilterRows(row.subRows);

        if
        (!newRow.subRows.length) {
          continue;
        }

        row = newRow;
      }

      if (filterRow(row)) {
        rows.push(row);
        newFilteredRowsById[row.id] = row;
        newFilteredRowsById[i] = row;
      }
    }

    return rows;
  };

  return {
    rows: recurseFilterRows(rowsToFilter),
    flatRows:
    newFilteredFlatRows,
    rowsById: newFilteredRowsById
  };
}

function
filterRowModelFromRoot(rowsToFilter, filterRow, table) {
  const newFilteredFlatRows = [];
  const
  newFilteredRowsById = {};

  // Filters top level and nested rows
  const recurseFilterRows = function
  (rowsToFilter, depth) {
    // Filter from parents downward first
    const rows = [];

    // Apply the filter to any
    subRows
    for (let i = 0; i < rowsToFilter.length; i++) {
      let row = rowsToFilter[i];
      const pass =
      filterRow(row);

      if (pass) {
        const _row$subRows2;
        if ((_row$subRows2 = row.subRows) != null
        && _row$subRows2.length) {
          const newRow = createRow(table, row.id, row.original, row.index,
          row.depth);
          newRow.subRows = recurseFilterRows(row.subRows);
          row = newRow;
        }

        rows.push(row);
        newFilteredFlatRows.push(row);
        newFilteredRowsById[row.id] = row;
      }
    }

    return rows;
  };

  return {
    rows: recurseFilterRows(rowsToFilter),
    flatRows:
    newFilteredFlatRows,
    rowsById: newFilteredRowsById
  };
}

function getFilteredRowModel() {
  return
  table => memo(() => [table.getPreFilteredRowModel(), table.getState().columnFilters, table.getState().globalFilter],
  (rowModel, columnFilters, globalFilter) => {
    if (!rowModel.rows.length || !(columnFilters != null &&
    columnFilters.length) && !globalFilter) {
      for (let i = 0; i < rowModel.flatRows.length; i++) {
        rowModel.flatRows[i].columnFilters = {};
        rowModel.flatRows[i].columnFiltersMeta = {};
      }

      return rowModel;
    }

    const resolvedColumnFilters = [];
    const resolvedGlobalFilters = [];

    (columnFilters ?? []).forEach(d => {
      const column = table.getColumn(d.id);

      if (!column) {
        if
        (process.env.NODE_ENV !== 'production') {
          console.warn(`Table: Could not find a column to filter with
          columnId: ${d.id}`);
        }

        const filterFn = column.getFilterFn();

        if (!filterFn) {
          if
          (process.env.NODE_ENV !== 'production') {
            console.warn(`Could not find a valid 'column.filterFn' for
            column with the ID: ${column.id}`);
          }

          return;
        }

        resolvedColumnFilters.push({
          id:
          d.id,
          filterFn,
          resolvedValue: (filterFn.resolveFilterValue == null ? void 0 :
          filterFn.resolveFilterValue(d.value)) ?? d.value
        });

        const filterableIds = columnFilters.map(d =>
        d.id);

        const globalFilterFn = table.getGlobalFilterFn();
        const globallyFilterableColumns =
        table.getAllLeafColumns().filter(column => column.getCanGlobalFilter());

        if (globalFilter && globalFilterFn
        && globallyFilterableColumns.length) {
          filterableIds.push('__global__');

          globallyFilterableColumns.forEach(column => {
            resolvedGlobalFilters.push({
              id: column.id,
              filterFn: globalFilterFn,
              resolvedValue: (globalFilterFn.resolveFilterValue == null ? void 0 :
              globalFilterFn.resolveFilterValue(globalFilter)) ?? globalFilter
            });
          });
        }

        let
        currentColumnFilter;
        let currentGlobalFilter;

        // Flag the prefiltered row model with each filter state
        for (let
        j = 0; j < rowModel.flatRows.length; j++) {
          const row = rowModel.flatRows[j];
          row.columnFilters =
          {};

          if (resolvedColumnFilters.length) {
            for (let i = 0; i < resolvedColumnFilters.length; i++) {
              const currentColumnFilter = resolvedColumnFilters[i];
              const id = currentColumnFilter.id;

              // Tag the row with the
              column filter state
              row.columnFilters[id] = currentColumnFilter.filterFn(row, id,
              currentColumnFilter.resolvedValue, filterMeta => {
                row.columnFiltersMeta[id] = filterMeta;
              });
            }
          }

          if (resolvedGlobalFilters.length) {
            for (let i = 0; i < resolvedGlobalFilters.length; i++) {
              const currentGlobalFilter = resolvedGlobalFilters[i];
              const id = currentGlobalFilter.id;

              // Tag the row with the
              first truthy global filter state
              if (currentGlobalFilter.filterFn(row, id, currentGlobalFilter.resolvedValue,

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filterMeta => {\n      row.columnFiltersMeta[id] = filterMeta;\n    }) {\n
row.columnFilters.__global__ = true;\n    break;\n  }\n  }\n  }\n  if (row.columnFilters.__global__
!== true) {\n    row.columnFilters.__global__ = false;\n  }\n  }\n  }\n  const filterRowsImpl = row =>
{\n    // Horizontally filter rows through each column\n    for (let i = 0; i < filterableIds.length; i++) {\n      if
(row.columnFilters[filterableIds[i]] === false) {\n        return false;\n      }\n    }\n    return true;\n  }; // Filter
final rows using all of the active filters\n\n  return filterRows(rowModel.rows, filterRowsImpl, table);\n }, {\n
key: process.env.NODE_ENV === 'development' && 'getFilteredRowModel',\n  debug: () =>
table.options.debugAll ?? table.options.debugTable,\n  onChange: () => {\n    table._autoResetPageIndex();\n
  }\n  });\n}\n\nfunction getFacetedRowModel() {\n  return (table, columnId) => memo(() =>
[table.getPreFilteredRowModel(), table.getState().columnFilters, table.getState().globalFilter,
table.getFilteredRowModel()], (preRowModel, columnFilters, globalFilter) => {\n    if (!preRowModel.rows.length
|| !(columnFilters != null && columnFilters.length) && !globalFilter) {\n      return preRowModel;\n    }\n    const
filterableIds = [...columnFilters.map(d => d.id).filter(d => d !== columnId), globalFilter ? '__global__' :
undefined].filter(Boolean);\n    const filterRowsImpl = row => {\n      // Horizontally filter rows through each
column\n      for (let i = 0; i < filterableIds.length; i++) {\n        if (row.columnFilters[filterableIds[i]] === false) {\n
          return false;\n        }\n      }\n      return true;\n    }; \n    return filterRows(preRowModel.rows,
filterRowsImpl, table);\n  }, {\n    key: process.env.NODE_ENV === 'development' && 'getFacetedRowModel_' +
columnId,\n    debug: () => table.options.debugAll ?? table.options.debugTable,\n    onChange: () => {} \n
  });\n}\n\nfunction getFacetedUniqueValues() {\n  return (table, columnId) => memo(() =>
[table.getColumn(columnId).getFacetedRowModel()], facetedRowModel => {\n    let facetedUniqueValues = new
Map();\n    for (let i = 0; i < facetedRowModel.flatRows.length; i++) {\n      var _facetedRowModel$flat;\n      const
value = (_facetedRowModel$flat = facetedRowModel.flatRows[i]) == null ? void 0 :
_facetedRowModel$flat.getValue(columnId);\n      if (facetedUniqueValues.has(value)) {\n
        facetedUniqueValues.set(value, (facetedUniqueValues.get(value) ?? 0) + 1);\n      } else {\n
        facetedUniqueValues.set(value, 1);\n      }\n    }\n    return facetedUniqueValues;\n  }, {\n    key:
process.env.NODE_ENV === 'development' && 'getFacetedUniqueValues_' + columnId,\n    debug: () =>
table.options.debugAll ?? table.options.debugTable,\n    onChange: () => {} \n  });\n}\n\nfunction
getFacetedMinMaxValues() {\n  return (table, columnId) => memo(() =>
[table.getColumn(columnId).getFacetedRowModel()], facetedRowModel => {\n    var _facetedRowModel$flat;\n    const
firstValue = (_facetedRowModel$flat = facetedRowModel.flatRows[0]) == null ? void 0 :
_facetedRowModel$flat.getValue(columnId);\n    if (typeof firstValue === 'undefined') {\n      return undefined;\n
    }\n    let facetedMinMaxValues = [firstValue, firstValue];\n    for (let i = 0; i <
facetedRowModel.flatRows.length; i++) {\n      const value =
facetedRowModel.flatRows[i].getValue(columnId);\n      if (value < facetedMinMaxValues[0]) {\n
        facetedMinMaxValues[0] = value;\n      } else if (value > facetedMinMaxValues[1]) {\n
        facetedMinMaxValues[1] = value;\n      }\n    }\n    return facetedMinMaxValues;\n  }, {\n    key:
process.env.NODE_ENV === 'development' && 'getFacetedMinMaxValues_' + columnId,\n    debug: () =>
table.options.debugAll ?? table.options.debugTable,\n    onChange: () => {} \n  });\n}\n\nfunction
getSortedRowModel() {\n  return table => memo(() => [table.getState().sorting, table.getPreSortedRowModel()],
(sorting, rowModel) => {\n    if (!rowModel.rows.length || !(sorting != null && sorting.length)) {\n      return
rowModel;\n    }\n    const sortingState = table.getState().sorting;\n    const sortedFlatRows = []; // Filter out
sortings that correspond to non existing columns\n\n    const availableSorting = sortingState.filter(sort =>
table.getColumn(sort.id).getCanSort());\n    const columnInfoById = {};\n    availableSorting.forEach(sortEntry =>
{\n      const column = table.getColumn(sortEntry.id);\n      columnInfoById[sortEntry.id] = {\n        sortUndefined:
column.columnDef.sortUndefined,\n        invertSorting: column.columnDef.invertSorting,\n        sortingFn:
column.getSortingFn()\n      };\n    });\n    const sortData = rows => {\n      // This will also perform a stable sorting
using the row index\n      // if needed.\n      const sortedData = rows.slice();\n      sortedData.sort((rowA, rowB) =>
{\n        for (let i = 0; i < availableSorting.length; i += 1) {\n          const sortEntry = availableSorting[i];\n

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const columnInfo = columnInfoById[sortEntry.id];\n      const isDesc = (sortEntry === null ? void 0 :
sortEntry.desc) ?? false;\n      if (columnInfo.sortUndefined) {\n        const aValue =
rowA.getValue(sortEntry.id);\n        const bValue = rowB.getValue(sortEntry.id);\n        const aUndefined =
typeof aValue === 'undefined';\n        const bUndefined = typeof bValue === 'undefined';\n        if
(aUndefined || bUndefined) {\n          return aUndefined && bUndefined ? 0 : aUndefined ?
columnInfo.sortUndefined : -columnInfo.sortUndefined;\n        }\n      } // This function should always return in
ascending order\n\n      let sortInt = columnInfo.sortingFn(rowA, rowB, sortEntry.id);\n      if (sortInt !== 0)
{\n        if (isDesc) {\n          sortInt *= -1;\n        }\n        if (columnInfo.invertSorting) {\n
sortInt *= -1;\n        }\n        return sortInt;\n      }\n      return rowA.index - rowB.index;\n    });
// If there are sub-rows, sort them\n    sortedData.forEach(row => {\n      sortedFlatRows.push(row);\n    } if
(!row.subRows || row.subRows.length <= 1) {\n      return;\n    }\n    row.subRows =
sortData(row.subRows);\n  });\n  return sortedData;\n};\n\n return {\n  rows:
sortData(rowModel.rows),\n  flatRows: sortedFlatRows,\n  rowsById: rowModel.rowsById\n }; }, {\n
key: process.env.NODE_ENV === 'development' && 'getSortedRowModel',\n  debug: () =>
table.options.debugAll ?? table.options.debugTable,\n  onChange: () => {\n    table._autoResetPageIndex();\n
  }\n });\n\nfunction getGroupedRowModel() {\n  return table => memo(() => [table.getState().grouping,
table.getPreGroupedRowModel()], (grouping, rowModel) => {\n    if (!rowModel.rows.length || !grouping.length)
{\n      return rowModel;\n    } // Filter the grouping list down to columns that exist\n\n    const existingGrouping =
grouping.filter(columnId => table.getColumn(columnId));\n    const groupedFlatRows = [];\n    const
groupedRowsById = {};\n    // const onlyGroupedFlatRows: Row[] = [];\n    // const onlyGroupedRowsById:
Record<RowId, Row> = {};\n    // const nonGroupedFlatRows: Row[] = [];\n    // const nonGroupedRowsById:
Record<RowId, Row> = {};\n    // Recursively group the data\n\n    const groupUpRecursively = function (rows,
depth, parentId) {\n      if (depth === void 0) {\n        depth = 0;\n      }\n      // Grouping depth has been met\n
      // Stop grouping and simply rewrite thd depth and row relationships\n      if (depth >= existingGrouping.length)
{\n        return rows.map(row => {\n          row.depth = depth;\n          groupedFlatRows.push(row);\n
          groupedRowsById[row.id] = row;\n          if (row.subRows) {\n            row.subRows =
groupUpRecursively(row.subRows, depth + 1);\n          }\n          return row;\n        });\n      }\n      const
columnId = existingGrouping[depth]; // Group the rows together for this level\n      const rowGroupsMap =
groupBy(rows, columnId); // Perform aggregations for each group\n      const aggregatedGroupedRows =
Array.from(rowGroupsMap.entries()).map((_ref, index) => {\n        let [groupingValue, groupedRows] = _ref;\n
let id = `${columnId}:${groupingValue}`;\n        id = parentId ? `${parentId}>${id}` : id; // First, Recurse to group
sub rows before aggregation\n      const subRows = groupUpRecursively(groupedRows, depth + 1, id); // Flatten
the leaf rows of the rows in this group\n      const leafRows = depth ? flattenBy(groupedRows, row =>
row.subRows) : groupedRows;\n      const row = createRow(table, id, leafRows[0].original, index, depth);\n
Object.assign(row, {\n        groupingColumnId: columnId,\n        groupingValue: groupingValue,\n        subRows,\n
leafRows,\n        getValue: columnId => {\n          // Don't aggregate columns that are in the grouping\n          if
(existingGrouping.includes(columnId)) {\n            if (row._valuesCache.hasOwnProperty(columnId)) {\n
return row._valuesCache[columnId];\n            }\n            if (groupedRows[0]) {\n
return row._valuesCache[columnId] = groupedRows[0].getValue(columnId) ?? undefined;\n            }\n            return
row._valuesCache[columnId];\n          }\n          if (row._groupingValuesCache.hasOwnProperty(columnId)) {\n
return row._groupingValuesCache[columnId];\n          } // Aggregate the values\n\n          const column
= table.getColumn(columnId);\n          const aggregateFn = column.getAggregationFn();\n          if
(aggregateFn) {\n            row._groupingValuesCache[columnId] = aggregateFn(columnId, leafRows,
groupedRows);\n            return row._groupingValuesCache[columnId];\n          }\n        });\n      }\n      subRows.forEach(subRow => {\n        groupedFlatRows.push(subRow);\n        groupedRowsById[subRow.id] =
subRow; // if (subRow.getIsGrouped?.()) {\n          // onlyGroupedFlatRows.push(subRow);\n          //
onlyGroupedRowsById[subRow.id] = subRow;\n          // } else {\n            //
nonGroupedFlatRows.push(subRow);\n            // nonGroupedRowsById[subRow.id] = subRow;\n          // }\n    }

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});\n    return row;\n    });\n    return aggregatedGroupedRows;\n  });\n\n  const groupedRows =
groupUpRecursively(rowModel.rows, 0, "");\n  groupedRows.forEach(subRow => {\n
groupedFlatRows.push(subRow);\n  groupedRowsById[subRow.id] = subRow; // if (subRow.getIsGrouped?())
{\n  // onlyGroupedFlatRows.push(subRow);\n  // onlyGroupedRowsById[subRow.id] = subRow;\n  // }
else {\n  // nonGroupedFlatRows.push(subRow);\n  // nonGroupedRowsById[subRow.id] = subRow;\n  // }
});\n  return {\n  rows: groupedRows,\n  flatRows: groupedFlatRows,\n  rowsById:
groupedRowsById\n  };\n  }, {\n  key: process.env.NODE_ENV === 'development' &&
'getGroupedRowModel',\n  debug: () => table.options.debugAll ?? table.options.debugTable,\n  onChange: () =>
{\n  table._queue(() => {\n  table._autoResetExpanded();\n  table._autoResetPageIndex();\n  });\n  });\n  });\n\nfunction groupBy(rows, columnId) {\n  const groupMap = new Map();\n  return rows.reduce((map,
row) => {\n  const resKey = `${row.getValue(columnId)}`;\n  const previous = map.get(resKey);\n  if
(!previous) {\n  map.set(resKey, [row]);\n  } else {\n  map.set(resKey, [...previous, row]);\n  }\n  return
map;\n  }, groupMap);\n  }\n\nfunction getExpandedRowModel() {\n  return table => memo(() =>
[table.getState().expanded, table.getPreExpandedRowModel(), table.options.paginateExpandedRows], (expanded,
rowModel, paginateExpandedRows) => {\n  if (!rowModel.rows.length || expanded !== true &&
!Object.keys(expanded ?? {}).length) {\n  return rowModel;\n  }\n  if (!paginateExpandedRows) {\n  //
Only expand rows at this point if they are being paginated\n  return rowModel;\n  }\n  return
expandRows(rowModel);\n  }, {\n  key: process.env.NODE_ENV === 'development' &&
'getExpandedRowModel',\n  debug: () => table.options.debugAll ?? table.options.debugTable\n  });\n\nfunction
expandRows(rowModel) {\n  const expandedRows = [];\n  const handleRow = row => {\n  var
_row$subRows;\n  expandedRows.push(row);\n  if ((_row$subRows = row.subRows) != null &&
_row$subRows.length && row.getIsExpanded()) {\n  row.subRows.forEach(handleRow);\n  }\n  };\n  rowModel.rows.forEach(handleRow);\n  return {\n  rows: expandedRows,\n  flatRows: rowModel.flatRows,\n
rowsById: rowModel.rowsById\n  };\n  }\n\nfunction getPaginationRowModel(opts) {\n  return table => memo(() =>
[table.getState().pagination, table.getPrePaginationRowModel(), table.options.paginateExpandedRows ? undefined :
table.getState().expanded], (pagination, rowModel) => {\n  if (!rowModel.rows.length) {\n  return rowModel;\n
}\n  const {\n  pageSize,\n  pageIndex\n  } = pagination;\n  let {\n  rows,\n  flatRows,\n
rowsById\n  } = rowModel;\n  const pageStart = pageSize * pageIndex;\n  const pageEnd = pageStart +
pageSize;\n  rows = rows.slice(pageStart, pageEnd);\n  let paginatedRowModel;\n  if
(!table.options.paginateExpandedRows) {\n  paginatedRowModel = expandRows({\n  rows,\n
flatRows,\n  rowsById\n  });\n  } else {\n  paginatedRowModel = {\n  rows,\n  flatRows,\n
rowsById\n  };\n  }\n  paginatedRowModel.flatRows = [];\n  const handleRow = row => {\n
paginatedRowModel.flatRows.push(row);\n  if (row.subRows.length) {\n
row.subRows.forEach(handleRow);\n  }\n  };\n  paginatedRowModel.rows.forEach(handleRow);\n  return
paginatedRowModel;\n  }, {\n  key: process.env.NODE_ENV === 'development' && 'getPaginationRowModel',\n
debug: () => table.options.debugAll ?? table.options.debugTable\n  });\n  }\n\nexport { ColumnSizing, Expanding,
Filters, Grouping, Headers, Ordering, Pagination, Pinning, RowSelection, Sorting, Visibility, aggregationFns,
buildHeaderGroups, createCell, createColumn, createColumnHelper, createRow, createTable, defaultColumnSizing,
expandRows, filterFns, flattenBy, functionalUpdate, getCoreRowModel, getExpandedRowModel,
getFacetedMinMaxValues, getFacetedRowModel, getFacetedUniqueValues, getFilteredRowModel,
getGroupedRowModel, getPaginationRowModel, getSortedRowModel, isFunction, isRowSelected,
isSubRowSelected, makeStateUpdater, memo, noop, orderColumns, passiveEventSupported, reSplitAlphaNumeric,
selectRowsFn, shouldAutoRemoveFilter, sortingFns };\n\n/# sourceMappingURL=index.js.map\n", "<script>\nexport
let content;\n</script>\n\n{content}", "import type { SvelteComponentDev } from 'svelte/internal'\nimport {
create_ssr_component, escape } from 'svelte/internal'\nimport PlaceholderClient from './placeholder.svelte'\nntype
X = typeof PlaceholderClient\n\nconst PlaceholderServer = create_ssr_component(\n  ($$result: any, $$props: any,
$$bindings: any, slots: any) => {\n  return `${escape($$props.content)}`\n  }) as any as typeof
SvelteComponentDev\n\nexport default typeof document === 'undefined'\n  ? PlaceholderServer\n  :

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PlaceholderClient\n", "import {\n SvelteComponent,\n claim_component,\n create_component,\n
destroy_component,\n init,\n mount_component,\n noop,\n safe_not_equal,\n transition_in,\n transition_out,\n
create_ssr_component,\n validate_component,\n} from 'svelte/internal'\n\nfunction create_fragment(ctx: any,
Comp: any, props: any) {\n let c: any\n let current: any\n c = new Comp({ props, $$inline: true })\n\n return {\n
c()\n create_component(c.$$fragment)\n },\n l(nodes: any) {\n claim_component(c.$$fragment,
nodes)\n },\n m(target: any, anchor: any) {\n // @ts-ignore\n mount_component(c, target, anchor)\n
current = true\n },\n p: noop,\n i(local: any) {\n if (current) return\n transition_in(c.$$fragment, local)\n
current = true\n },\n o(local: any) {\n transition_out(c.$$fragment, local)\n current = false\n },\n
d(detaching: any) {\n destroy_component(c, detaching)\n },\n }\n}\n\nfunction renderClient(Comp: any,
props: any): any {\n return class WrapperComp extends SvelteComponent {\n constructor(options: any) {\n
super()\n init(\n this,\n options,\n null,\n (ctx: any) => create_fragment(ctx, Comp, props),\n
safe_not_equal,\n {},\n undefined\n )\n }\n }\n}\n\nfunction renderServer(Comp: any, props: any) {\n
const WrapperComp = create_ssr_component(\n ($$result: any, $$props: any, $$bindings: any, slots: any) => {\n
return `${validate_component(Comp, 'TableComponent')}.render(\n $$result,\n props,\n {}),\n
{})\n }\n }\n)\n\n return WrapperComp\n}\n\nexport const renderComponent =\n typeof window ===
'undefined' ? renderServer : renderClient\n", "import {\n RowData,\n createTable,\n TableOptions,\n
TableOptionsResolved,\n} from '@tanstack/table-core'\n\nimport Placeholder from './placeholder'\n\nimport {
SvelteComponent } from 'svelte/internal'\n\nimport { readable, writable, derived, Readable, get } from
'svelte/store'\n\nimport { renderComponent } from './render-component'\n\nexport { renderComponent } from
'./render-component'\n\nexport * from '@tanstack/table-core'\n\nfunction isSvelteServerComponent(component:
any) {\n return (\n typeof component === 'object' &&\n typeof component.$$render === 'function' &&\n
typeof component.render === 'function'\n )\n}\n\nfunction isSvelteClientComponent(component: any) {\n let
isHMR = '__SVELTE_HMR' in window\n\n return (\n component.prototype instanceof SvelteComponent ||\n
(isHMR &&\n component.name?.startsWith('Proxy<') &&\n component.name?.endsWith('>'))\n
)\n}\n\nfunction isSvelteComponent(component: any) {\n if (typeof document === 'undefined') {\n return
isSvelteServerComponent(component)\n } else {\n return isSvelteClientComponent(component)\n
}\n}\n\nfunction wrapInPlaceholder(content: any) {\n return renderComponent(Placeholder, { content
})\n}\n\nexport function flexRender(component: any, props: any) {\n if (!component) return null\n\n if
(isSvelteComponent(component)) {\n return renderComponent(component, props)\n }\n\n if (typeof component
=== 'function') {\n const result = component(props)\n\n if (isSvelteComponent(result)) {\n return result\n
}\n\n return wrapInPlaceholder(result)\n }\n\n return wrapInPlaceholder(component)\n }\n}\n\nexport
function createSvelteTable<TData> extends RowData<\n options:
ReadableOrVal<TableOptions<TData>>\n) {\n let optionsStore: Readable<TableOptions<TData>>\n\n if
('subscribe' in options) {\n optionsStore = options\n } else {\n optionsStore = readable(options)\n }\n\n let
resolvedOptions: TableOptionsResolved<TData> = {\n state: {}, // Dummy state\n onStateChange: () => {}, //
noop\n renderFallbackValue: null,\n ...get(optionsStore),\n }\n\n let table = createTable(resolvedOptions)\n\n
let stateOptionsStore = writable(** @type {number} */ table.initialState)\n // combine stores\n let stateOptionsStore =
derived([stateStore, optionsStore], s => s)\n\n const tableReadable = readable(table, function start(set) {\n const
unsubscribe = stateOptionsStore.subscribe(([state, options]) => {\n table.setOptions(prev => {\n return {\n
...prev,\n ...options,\n state: { ...state, ...options.state },\n // Similarly, we'll maintain both our
internal state and any user-provided\n // state.\n onStateChange: updater => {\n if (updater
instanceof Function) {\n stateStore.update(updater)\n } else {\n stateStore.set(updater)\n
}\n\n resolvedOptions.onStateChange?.(updater)\n },\n }\n })\n\n // it didn't seem to
re-render without setting the table\n set(table)\n })\n\n return function stop() {\n unsubscribe()\n }\n
})\n\n return
tableReadable\n}\n}\n", "names": ["PlaceholderServer", "create_ssr_component", "$$result", "$$props", "$$bindings", "slots",
"escape", "content", "document", "PlaceholderClient", "create_fragment", "ctx", "Comp", "props", "c", "current", "$$in
line", "create_component", "$$", "fragment", "l", "nodes", "claim_component", "m", "target", "anchor", "mount_compone

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nt","p","noop","i","local","transition\_in","o","transition\_out","d","detaching","destroy\_component","renderClient","WrapperComp","SvelteComponent","constructor","options","init","safe\_not\_equal","undefined","renderServer","validate\_component","\$\$render","renderComponent","window","isSvelteServerComponent","component","render","isSvelteClientComponent","isHMR","prototype","name","startsWith","endsWith","isSvelteComponent","wrapInPlace holder","Placeholder","flexRender","result","createSvelteTable","optionsStore","readable","resolvedOptions","state","onStateChange","renderFallbackValue","get","table","createTable","stateStore","writable","initialState","stateOptionsStore","derived","s","tableReadable","start","set","unsubscribe","subscribe","setOptions","prev","updater","Function","update","stop"],"mappings":":;;;;;;;;;;;;;EAAA;EACA;EACA;EACA;EACA;EACA;EACA;EACA;EACA;EACA;EACA;EACA;EACA;EACA;EACA;SAAS,gBAAgB,CAAC,OAAO,EAAE,KAAK,EAAE;EAC1C,EAAE,OAAO,OAAO,OAAO,KAAK,UAAU,GAAG,OAAO,CAAC,KAAK,CAAC,GAAG,OAAO,CAAC;EACIE,CAAC;EACD,SAAS,IAAI,GAAG;EACbB,CAAC;EACD,SAAS,gBAAgB,CAAC,GAAG,EAAE,QAAQ,EAAE;EACzC,EAAE,OAAO,OAAO,IAAI;EACpB,IAAI,QAAQ,CAAC,QAAQ,CAAC,GAAG,IAAI;EAC7B,MAAM,OAAO,EAAE,GAA G,GAAG;EACrB,QAAQ,CAAC,GAAG,GAAG,gBAAgB,CAAC,OAAO,EAAE,GAAG,CAAC,GAAG,CAAC,CA AC;EACID,OAAO,CAAC;EACR,KAAK,CAAC,CAAC;EACP,GAAG,CAAC;EACJ,CAAC;EACD,SAAS,UAAU ,CAAC,CAAC,EAAE;EACvB,EAAE,OAAO,CAAC,YAAY,QAAQ,CAAC;EAC/B,CAAC;EACD,SAAS,SAAS,C AAC,GAAG,EAAE,WAAW,EAAE;EACrC,EAAE,MAAM,IAAI,GAAG,EAAE,CAAC;AACIB;EACA,EAAE,M AAM,OAAO,GAAG,MAAM,IAAI;EAC5B,IAAI,MAAM,CAAC,OAAO,CAAC,IAAI,IAAI;EAC3B,MAAM,IAA I,CAAC,IAAI,CAAC,IAAI,CAAC,CAAC;EACtB,MAAM,MAAM,QAAQ,GAAG,WAAW,CAAC,IAAI,CAAC,C AAC;AACzC;EACA,MAAM,IAAI,QAAQ,IAAI,IAAI,IAAI,QAAQ,CAAC,MAAM,EAAE;EAC/C,QAAQ,OAAO ,CAAC,QAAQ,CAAC,CAAC;EAC1B,OAAO;EACP,KAAK,CAAC,CAAC;EACP,GAAG,CAAC;AACJ;EACA,E AAE,OAAO,CAAC,GAAG,CAAC,CAAC;EACf,EAAE,OAAO,IAAI,CAAC;EACd,CAAC;EACD,SAAS,IAAI,C AAC,OAAO,EAAE,EAAE,EAAE,IAAI,EAAE;EACjC,EAAE,IAAI,IAAI,GAAG,EAAE,CAAC;EACbB,EAAE,I AAI,MAAM,CAAC;EACb,EAAE,OAAO,MAAM;EACf,IAAI,IAAI,OAAO,CAAC;EACbB,IAAI,IAAI,IAAI,CA AC,GAAG,IAAI,IAAI,CAAC,KAAK,EAAE,OAAO,GAAG,IAAI,CAAC,GAAG,EAAE,CAAC;EACrD,IAAI,MA AM,OAAO,GAAG,OAAO,EAAE,CAAC;EAC9B,IAAI,MAAM,WAAW,GAAG,OAAO,CAAC,MAAM,KAAK,I AAI,CAAC,MAAM,IAAI,OAAO,CAAC,IAAI,CAAC,CAAC,GAAG,EAAE,KAAK,KAAK,IAAI,CAAC,KAAK, CAAC,KAAK,GAAG,CAAC,CAAC;AAC5G;EACA,IAAI,IAAI,CAAC,WAAW,EAAE;EACtB,MAAM,OAAO, MAAM,CAAC;EACpB,KAAK;AACL;EACA,IAAI,IAAI,GAAG,OAAO,CAAC;EACnB,IAAI,IAAI,UAAU,CAA C;EACnB,IAAI,IAAI,IAAI,CAAC,GAAG,IAAI,IAAI,CAAC,KAAK,EAAE,UAAU,GAAG,IAAI,CAAC,GAAG, EAAE,CAAC;EACxD,IAAI,MAAM,GAAG,EAAE,CAAC,GAAG,OAAO,CAAC,CAAC;EAC5B,IAAI,IAAI,IAA I,IAAI,GAAG,KAAK,CAAC,GAAG,IAAI,CAAC,QAAQ,IAAI,IAAI,GAAG,KAAK,CAAC,GAAG,IAAI,CAAC, QAAQ,CAAC,MAAM,CAAC,CAAC;AACnF;EACA,IAAI,IAAI,IAAI,CAAC,GAAG,IAAI,IAAI,CAAC,KAAK, EAAE;EACbC,MAAM,IAAI,IAAI,IAAI,IAAI,IAAI,IAAI,CAAC,KAAK,EAAE,EAAE;EACxC,QAAQ,MAAM,U AAU,GAAG,IAAI,CAAC,KAAK,CAAC,CAAC,IAAI,CAAC,GAAG,EAAE,GAAG,OAAO,IAAI,GAAG,CAAC, GAAG,GAAG,CAAC;EACIE,QAAQ,MAAM,aAAa,GAAG,IAAI,CAAC,KAAK,CAAC,CAAC,IAAI,CAAC,GA AG,EAAE,GAAG,UAAU,IAAI,GAAG,CAAC,GAAG,GAAG,CAAC;EACbF,QAAQ,MAAM,mBAAmB,GAAG, aAAa,GAAG,EAAE,CAAC;AACvD;EACA,QAAQ,MAAM,GAAG,GAAG,CAAC,GAAG,EAAE,GAAG,KAAK; EACIC,UAAU,GAAG,GAAG,MAAM,CAAC,GAAG,CAAC,CAAC;AAC5B;EACA,UAAU,OAAO,GAAG,CAA C,MAAM,GAAG,GAAG,EAAE;EACnC,YAAY,GAAG,GAAG,GAAG,GAAG,GAAG,CAAC;EAC5B,WAAW;A ACX;EACA,UAAU,OAAO,GAAG,CAAC;EACrB,SAAS,CAAC;AACV;EACA,QAAQ,OAAO,CAAC,IAAI,CA AC,CAAC,IAAI,EAAE,GAAG,CAAC,aAAa,EAAE,CAAC,CAAC,CAAC,EAAE,EAAE,GAAG,CAAC,UAAU,E AAE,CAAC,CAAC,CAAC,GAAG,CAAC,EAAE,CAAC;AACbF;AACa;AACa,uBAAuB,EAAE,IAAI,CAAC,G AAG,CAAC,CAAC,EAAE,IAAI,CAAC,GAAG,CAAC,GAAG,GAAG,GAAG,GAAG,mBAAmB,EAAE,GAAG,C AAC,CAAC,CAAC,cAAc,CAAC,EAAE,IAAI,IAAI,IAAI,GAAG,KAAK,CAAC,GAAG,IAAI,CAAC,GAAG,CA AC,CAAC;EACxI,OAAO;EACP,KAAK;AACL;EACA,IAAI,OAAO,MAAM,CAAC;EACIB,GAAG,CAAC;EACJ ,CAAC;AACD;EACA,SAAS,YAAY,CAAC,KAAK,EAAE,SAAS,EAAE,KAAK,EAAE,MAAM,EAAE;EACvD,E AAE,MAAM,aAAa,GAAG,KAAK,CAAC,oBAAoB,EAAE,CAAC;AACrD;EACA,EAAE,MAAM,iBAAiB,GAA G,EAAE,GAAG,aAAa;EAC9C,IAAI,GAAG,SAAS;EACbB,GAAG,CAAC;EACJ,EAAE,MAAM,WAAW,GAAG,

iBAaiB,CAAC,WAAW,CAAC;EACpD,EAAE,IAAI,EAAE,GAAG,iBAaiB,CAAC,EAAE,KAAK,WAAW,GAA  
G,WAAW,CAAC,OAAO,CAAC,GAAG,EAAE,GAAG,CAAC,GAAG,SAAS,CAAC,KAAK,OAAO,iBAaiB,CA  
AC,MAAM,KAAK,QAAQ,GAAG,iBAaiB,CAAC,MAAM,GAAG,SAAS,CAAC,CAAC;EACtL,EAAE,IAAI,UA  
AU,CAAC;AACjB;EACA,EAAE,IAAI,iBAaiB,CAAC,UAAU,EAAE;EACpC,IAAI,UAAU,GAAG,iBAaiB,CAA  
C,UAAU,CAAC;EAC9C,GAAG,MAAM,IAAI,WAAW,EAAE;EAC1B;EACA,IAAI,IAAI,WAAW,CAAC,QAAQ  
,CAAC,GAAG,CAAC,EAAE;EACnC,MAAM,UAAU,GAAG,WAAW,IAAI;EACiC,QAAQ,IAAI,MAAM,GAAG  
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CV,OAAO,CAAC;EACR,MAAM,cAAc,EAAE,IAAI,CAAC,MAAM,CAAC,KAAK,CAAC,YAA Y,EAAE,CAAC ,EAAE,SAAS,IAAI;EACtE,QAAQ,IAAI,WAAW,GAAG,EAAE,CAAC;AAC7B;EACA,QAAQ,IAAI,SAAS,IAAI ,SAAS,GAAG,CAAC,EAAE;EACxC,UAAU,WAAW,GAAG,CAAC,GAAG,IAAI,KAAK,CAAC,SAAS,CAAC,C AAC,CAAC,IAAI,CAAC,IAAI,CAAC,CAAC,GAAG,CAAC,CAAC,CAAC,EAAE,CAAC,KAAK,CAAC,CAAC, CAAC;EAC9E,SAAS;AACT;EACA,QAAQ,OAAO,WAAW,CAAC;EAC3B,OAAO,EAAE;EACT,QAAQ,GAAG, EAA4C,gBAAgB;EACvE,QAAQ,KAAK,EAAE,MAAM,KAAK,CAAC,OAAO,CAAC,QAAQ,IAAI,KAAK,CAA C,OAAO,CAAC,UAAU;EACvE,OAAO,CAAC;EACR,MAAM,kBAaKB,EAAE,MAAM,KAAK,CAAC,QAAQ,E AAE,CAAC,UAAU,CAAC,SAAS,GAAG,CAAC;EACzE,MAAM,cAAc,EAAE,MAAM;EAC5B,QAAQ,MAAM; EACd,UAAU,SAAS;EACnB,SAAS,GAAG,KAAK,CAAC,QAAQ,EAAE,CAAC,UAAU,CAAC;EACxC,QAAQ, MAAM,SAAS,GAAG,KAAK,CAAC,YAA Y,EAAE,CAAC;AAC/C;EACA,QAAQ,IAAI,SAAS,KAAK,CAAC,C AAC,EAAE;EAC9B,UAAU,OAAO,IAAI,CAAC;EACtB,SAAS;AACT;EACA,QAAQ,IAAI,SAAS,KAAK,CAAC ,EAAE;EAC7B,UAAU,OAAO,KAAK,CAAC;EACvB,SAAS;AACT;EACA,QAAQ,OAAO,SAAS,GAAG,SAAS, GAAG,CAAC,CAAC;EACzC,OAAO;EACP,MAAM,YAA Y,EAAE,MAAM;EAC1B,QAAQ,OAAO,KAAK,CAA C,YAA Y,CAAC,GAAG,IAAI,GAAG,GAAG,CAAC,CAAC,CAAC;EACID,OAAO;EACP,MAAM,QAAQ,EAAE, MAAM;EACtB,QAAQ,OAAO,KAAK,CAAC,YAA Y,CAAC,GAAG,IAAI;EACzC,UAAU,OAAO,GAAG,GAAG, CAAC,CAAC;EACzB,SAAS,CAAC,CAAC;EACX,OAAO;EACP,MAAM,wBAaWB,EAAE,MAAM,KAAK,CA AC,mBAaMB,EAAE;EACjE,MAAM,qBAaQB,EAAE,MAAM;EACnC,QAAQ,IAAI,CAAC,KAAK,CAAC,sBA AsB,IAAI,KAAK,CAAC,OAAO,CAAC,qBAaQB,EAAE;EACIF,UAAU,KAAK,CAAC,sBAAsB,GAAG,KAAK, CAAC,OAAO,CAAC,qBAaQB,CAAC,KAAK,CAAC,CAAC;EACpF,SAAS;AACT;EACA,QAAQ,IAAI,KAAK, CAAC,OAAO,CAAC,gBAAgB,IAAI,CAAC,KAAK,CAAC,sBAAsB,EAAE;EAC7E,UAAU,OAAO,KAAK,CAA C,wBAaWB,EAAE,CAAC;EACID,SAAS;AACT;EACA,QAAQ,OAAO,KAAK,CAAC,sBAAsB,EAAE,CAAC;E AC9C,OAAO;EACP,MAAM,YAA Y,EAAE,MAAM;EAC1B,QAAQ,OAAO,KAAK,CAAC,OAAO,CAAC,SAAS, IAAI,IAAI,CAAC,IAAI,CAAC,KAAK,CAAC,wBAaWB,EAAE,CAAC,IAAI,CAAC,MAAM,GAAG,KAAK,CA AC,QAAQ,EAAE,CAAC,UAAU,CAAC,QAAQ,CAAC,CAAC;EACzI,OAAO;EACP,KAAK,CAAC;EACN,GAA G;EACH,EAAE;AACF;EACA;EACA,MAAM,sBAAsB,GAAG,OAAO;EACtC,EAAE,IAAI,EAAE,EAAE;EACV, EAAE,KAAK,EAAE,EAAE;EACX,CAAC,CAAC,CAAC;AACH;AACK,QAAC,OAAO,GAAG;EACb,EAAE,e AAe,EAAE,KAAK,IAAI;EAC5B,IAAI,OAAO;EACX,MAAM,aAAa,EAAE,sBAAsB,EAAE;EAC7C,MAAM,GA AG,KAAK;EACd,KAAK,CAAC;EACN,GAAG;EACH,EAAE,iBAaiB,EAAE,KAAK,IAAI;EAC9B,IAAI,OAAO; EACX,MAAM,qBAaQB,EAAE,gBAAgB,CAAC,eAAe,EAAE,KAAK,CAAC;EACrE,KAAK,CAAC;EACN,GAA G;EACH,EAAE,YAA Y,EAAE,CAAC,MAAM,EAAE,KAAK,KAAK;EACnC,IAAI,OAAO;EACX,MAAM,GAA G,EAAE,QAAQ,IAAI;EACvB,QAAQ,MAAM,SAAS,GAAG,MAAM,CAAC,cAAc,EAAE,CAAC,GAAG,CAAC, CAAC,IAAI,CAAC,CAAC,EAAE,CAAC,CAAC,MAAM,CAAC,OAAO,CAAC,CAAC;EACjF,QAAQ,KAAK,C AAC,gBAAgB,CAAC,GAAG,IAAI;EACtC,UAAU,IAAI,QAAQ,KAAK,OAAO,EAAE;EACpC,YAA Y,OAAO;E ACnB,cAAc,IAAI,EAAE,CAAC,CAAC,GAAG,IAAI,IAAI,GAAG,KAAK,CAAC,GAAG,GAAG,CAAC,IAAI,K AAK,EAAE,EAAE,MAAM,CAAC,CAAC,IAAI,EAAE,SAAS,IAAI,IAAI,IAAI,SAAS,CAAC,QAAQ,CAAC,CA AC,CAAC,CAAC,CAAC;EACxH,cAAc,KAAK,EAAE,CAAC,GAAG,CAAC,CAAC,GAAG,IAAI,IAAI,GAAG,K AAK,CAAC,GAAG,GAAG,CAAC,KAAK,KAAK,EAAE,EAAE,MAAM,CAAC,CAAC,IAAI,EAAE,SAAS,IAAI ,IAAI,IAAI,SAAS,CAAC,QAAQ,CAAC,CAAC,CAAC,CAAC,CAAC,EAAE,GAAG,SAAS,CAAC;EAC7I,aAAa, CAAC;EACd,WAAW;AACX;EACA,UAAU,IAAI,QAAQ,KAAK,MAAM,EAAE;EACnC,YAA Y,OAAO;EACnB ,cAAc,IAAI,EAAE,CAAC,GAAG,CAAC,CAAC,GAAG,IAAI,IAAI,GAAG,KAAK,CAAC,GAAG,GAAG,CAAC, IAAI,KAAK,EAAE,EAAE,MAAM,CAAC,CAAC,IAAI,EAAE,SAAS,IAAI,IAAI,IAAI,SAAS,CAAC,QAAQ,CA AC,CAAC,CAAC,CAAC,EAAE,GAAG,SAAS,CAAC;EAC3I,cAAc,KAAK,EAAE,CAAC,CAAC,GAAG, IAAI,IAAI,GAAG,KAAK,CAAC,GAAG,GAAG,CAAC,KAAK,KAAK,EAAE,EAAE,MAAM,CAAC,CAAC,IAA I,EAAE,SAAS,IAAI,IAAI,IAAI,SAAS,CAAC,QAAQ,CAAC,CAAC,CAAC,CAAC,CAAC;EAC1H,aAAa,CAAC; EACd,WAAW;AACX;EACA,UAAU,OAAO;EACjB,YAA Y,IAAI,EAAE,CAAC,CAAC,GAAG,IAAI,IAAI,GAA G,KAAK,CAAC,GAAG,GAAG,CAAC,IAAI,KAAK,EAAE,EAAE,MAAM,CAAC,CAAC,IAAI,EAAE,SAAS,IA AI,IAAI,IAAI,SAAS,CAAC,QAAQ,CAAC,CAAC,CAAC,CAAC,CAAC;EACtH,YAA Y,KAAK,EAAE,CAAC,C AAC,GAAG,IAAI,IAAI,GAAG,KAAK,CAAC,GAAG,GAAG,CAAC,KAAK,KAAK,EAAE,EAAE,MAAM,CAA

C,CAAC,IAAI,EAAE,SAAS,IAAI,IAAI,IAAI,SAAS,CAAC,QAAQ,CAAC,CAAC,CAAC,CAAC,CAAC;EACxH, WAAW,CAAC;EACZ,SAAS,CAAC,CAAC;EACX,OAAO;EACP,MAAM,SAAS,EAAE,MAAM;EACvB,QAAQ, MAAM,WAAW,GAAG,MAAM,CAAC,cAAc,EAAE,CAAC;EACpD,QAAQ,OAAO,WAAW,CAAC,IAAI,CAAC ,CAAC,IAAI,CAAC,CAAC,CAAC,SAAS,CAAC,aAAa,IAAI,IAAI,MAAM,KAAK,CAAC,OAAO,CAAC,aAAa,I AAI,IAAI,CAAC,CAAC,CAAC;EACnH,OAAO;EACP,MAAM,WAAW,EAAE,MAAM;EACzB,QAAQ,MAAM, aAAa,GAAG,MAAM,CAAC,cAAc,EAAE,CAAC,GAAG,CAAC,CAAC,IAAI,CAAC,CAAC,EAAE,CAAC,CAA C;EACrE,QAAQ,MAAM;EACd,UAAU,IAAI;EACd,UAAU,KAAK;EACf,SAAS,GAAG,KAAK,CAAC,QAAQ,E AAE,CAAC,aAAa,CAAC;EAC3C,QAAQ,MAAM,MAAM,GAAG,aAAa,CAAC,IAAI,CAAC,CAAC,IAAI,IAAI,I AAI,IAAI,GAAG,KAAK,CAAC,GAAG,IAAI,CAAC,QAAQ,CAAC,CAAC,CAAC,CAAC;EACzF,QAAQ ,MAAM,OAAO,GAAG,aAAa,CAAC,IAAI,CAAC,CAAC,IAAI,KAAK,IAAI,IAAI,GAAG,KAAK,CAAC,GAAG, KAAK,CAAC,QAAQ,CAAC,CAAC,CAAC,CAAC,CAAC;EAC5F,QAAQ,OAAO,MAAM,GAAG,MAAM,GAA G,OAAO,GAAG,OAAO,GAAG,KAAK,CAAC;EAC3D,OAAO;EACP,MAAM,cAAc,EAAE,MAAM;EAC5B,QA AQ,IAAI,qBAAqB,EAAE,sBAAsB,CAAC;AAC1D;EACA,QAAQ,MAAM,QAAQ,GAAG,MAAM,CAAC,WAA W,EAAE,CAAC;EAC9C,QAAQ,OAAO,QAAQ,GAAG,CAAC,CAAC,qBAAqB,GAAG,KAAK,CAAC,QAAQ,E AAE,CAAC,aAAa,KAAK,IAAI,GAAG,KAAK,CAAC,GAAG,CAAC,sBAAsB,GAAG,qBAAqB,CAAC,QAAQ,C AAC,KAAK,IAAI,GAAG,KAAK,CAAC,GAAG,sBAAsB,CAAC,OAAO,CAAC,MAAM,CAAC,EAAE,CAAC,K AAK,CAAC,CAAC,GAAG,CAAC,CAAC;EAC1O,OAAO;EACP,KAAK,CAAC;EACN,GAAG;EACH,EAAE,SA AS,EAAE,CAAC,GAAG,EAAE,KAAK,KAAK;EAC7B,IAAI,OAAO;EACX,MAAM,qBAAqB,EAAE,IAAI,CAA C,MAAM,CAAC,GAAG,CAAC,mBAAmB,EAAE,EAAE,KAAK,CAAC,QAAQ,EAAE,CAAC,aAAa,CAAC,IAA I,EAAE,KAAK,CAAC,QAAQ,EAAE,CAAC,aAAa,CAAC,KAAK,CAAC,EAAE,CAAC,QAAQ,EAAE,IAAI,EA AE,KAAK,KAAK;EAC3K,QAAQ,MAAM,YAAY,GAAG,CAAC,IAAI,IAAI,IAAI,EAAE,CAAC,EAAE,IAAI,K AAK,IAAI,EAAE,CAAC,CAAC,CAAC;EACjE,QAAQ,OAAO,QAAQ,CAAC,MAAM,CAAC,CAAC,IAAI,CAA C,YAAY,CAAC,QAAQ,CAAC,CAAC,CAAC,MAAM,CAAC,EAAE,CAAC,CAAC,CAAC;EACzE,OAAO,EAA E;EACT,QAAQ,GAAG,EAAE,aAAoB,KAAK,YAAY,CAA+B;EACjF,QAAQ,KAAK,EAAE,MAAM,KAAK,CA AC,OAAO,CAAC,QAAQ,IAAI,KAAK,CAAC,OAAO,CAAC,SAAS;EACtE,OAAO,CAAC;EACR,MAAM,mBA AmB,EAAE,IAAI,CAAC,MAAM,CAAC,GAAG,CAAC,mBAAmB,EAAE,EAAE,KAAK,CAAC,QAAQ,EAAE,C AAC,aAAa,CAAC,IAAI,GAAG,EAAE,CAAC,QAAQ,EAAE,IAAI,KAAK;EAC9H,QAAQ,MAAM,KAAK,GAA G,CAAC,IAAI,IAAI,EAAE,EAAE,GAAG,CAAC,QAAQ,IAAI,QAAQ,CAAC,IAAI,CAAC,IAAI,IAAI,IAAI,CA AC,MAAM,CAAC,EAAE,KAAK,QAAQ,CAAC,CAAC,CAAC,MAAM,CAAC,OAAO,CAAC,CAAC,GAAG,CA AC,CAAC,KAAK,EAAE,GAAG,CAAC;EACvI,UAAU,QAAQ,EAAE,MAAM;EAC1B,SAAS,CAAC,CAAC,CA AC;EACZ,QAAQ,OAAO,KAAK,CAAC;EACrB,OAAO,EAAE;EACT,QAAQ,GAAG,EAAE,aAAoB,KAAK,YA AY,CAA6B;EAC/E,QAAQ,KAAK,EAAE,MAAM,KAAK,CAAC,OAAO,CAAC,QAAQ,IAAI,KAAK,CAAC,OA AO,CAAC,SAAS;EACtE,OAAO,CAAC;EACR,MAAM,oBAAoB,EAAE,IAAI,CAAC,MAAM,CAAC,GAAG,CA AC,mBAAmB,EAAE,EAAE,KAAK,CAAC,QAAQ,EAAE,CAAC,aAAa,CAAC,KAAK,CAAC,EAAE,CAAC,QA AQ,EAAE,KAAK,KAAK;EAC/H,QAAQ,MAAM,KAAK,GAAG,CAAC,KAAK,IAAI,EAAE,EAAE,GAAG,CAA C,QAAQ,IAAI,QAAQ,CAAC,IAAI,CAAC,IAAI,IAAI,IAAI,CAAC,MAAM,CAAC,EAAE,KAAK,QAAQ,CAAC, CAAC,CAAC,MAAM,CAAC,OAAO,CAAC,CAAC,GAAG,CAAC,CAAC,KAAK,EAAE,GAAG,CAAC;EACxI, UAAU,QAAQ,EAAE,OAAO;EAC3B,SAAS,CAAC,CAAC,CAAC;EACZ,QAAQ,OAAO,KAAK,CAAC;EACrB, OAAO,EAAE;EACT,QAAQ,GAAG,EAAE,aAAoB,KAAK,YAAY,CAA8B;EACf,QAAQ,KAAK,EAAE,MAA M,KAAK,CAAC,OAAO,CAAC,QAAQ,IAAI,KAAK,CAAC,OAAO,CAAC,SAAS;EACtE,OAAO,CAAC;EACR, KAAK,CAAC;EACN,GAAG;EACH,EAAE,WAAW,EAAE,KAAK,IAAI;EACxB,IAAI,OAAO;EACX,MAAM,gB AAgB,EAAE,OAAO,IAAI,KAAK,CAAC,OAAO,CAAC,qBAAqB,IAAI,IAAI,GAAG,KAAK,CAAC,GAAG,KA AK,CAAC,OAAO,CAAC,qBAAqB,CAAC,OAAO,CAAC;EACtI,MAAM,kBAakB,EAAE,YAAY,IAAI;EAC1C, QAAQ,IAAI,mBAAmB,CAAC;AAC3C;EACA,QAAQ,OAAO,KAAK,CAAC,gBAAgB,CAAC,YAAY,GAAG,sB AAsB,EAAE,GAAG,CAAC,CAAC,mBAAmB,GAAG,KAAK,CAAC,YAAY,KAAK,IAAI,GAAG,KAAK,CAAC, GAAG,mBAAmB,CAAC,aAAa,KAAK,sBAAsB,EAAE,CAAC,CAAC;EAC/M,OAAO;EACP,MAAM,sBAAsB,E AAE,QAAQ,IAAI;EAC1C,QAAQ,IAAI,qBAAqB,CAAC;AAC1C;EACA,QAAQ,MAAM,YAAY,GAAG,KAAK, CAAC,QAAQ,EAAE,CAAC,aAAa,CAAC;AAC5D;EACA,QAAQ,IAAI,CAAC,QAAQ,EAAE;EACvB,UAAU,IA



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}
```

Found in path(s):

```
* /opt/cola/permits/1645466542_1681905186.5974553/0/svelte-table-8-5-15-
tgz/package/build/umd/index.development.js.map
```

No license file was found, but licenses were detected in source scan.

```
/**
 * svelte-table
 *
 * Copyright (c) TanStack
 *
 * This source code is licensed under the MIT license found in the
 * LICENSE.md file in the root directory of this source tree.
 *
 * @license MIT
 */
```

Found in path(s):

```
* /opt/cola/permits/1645466542_1681905186.5974553/0/svelte-table-8-5-15-tgz/package/build/cjs/svelte-
table/src/index.js
* /opt/cola/permits/1645466542_1681905186.5974553/0/svelte-table-8-5-15-tgz/package/build/cjs/svelte-
table/src/placeholder.svelte.js
* /opt/cola/permits/1645466542_1681905186.5974553/0/svelte-table-8-5-15-
tgz/package/build/umd/index.development.js
* /opt/cola/permits/1645466542_1681905186.5974553/0/svelte-table-8-5-15-tgz/package/build/cjs/table-
core/build/esm/index.js
* /opt/cola/permits/1645466542_1681905186.5974553/0/svelte-table-8-5-15-tgz/package/build/types/index.d.ts
* /opt/cola/permits/1645466542_1681905186.5974553/0/svelte-table-8-5-15-tgz/package/build/cjs/svelte-
table/src/render-component.js
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table/src/placeholder.js
* /opt/cola/permits/1645466542_1681905186.5974553/0/svelte-table-8-5-15-tgz/package/build/esm/index.js
* /opt/cola/permits/1645466542_1681905186.5974553/0/svelte-table-8-5-15-
tgz/package/build/umd/index.production.js
```

No license file was found, but licenses were detected in source scan.

```

{"version":3,"file":"index.production.js","sources":["../../table-
core/build/esm/index.js","../../src/placeholder.svelte","../../src/placeholder.ts","../../src/render-
component.ts","../../src/index.ts"],"sourcesContent":["/**\n * table-core\n * Copyright (c) TanStack\n *\n * This
source code is licensed under the MIT license found in the\n * LICENSE.md file in the root directory of this source
tree.\n *\n * @license MIT\n */\n\n// Is this type a tuple?\n// If this type is a tuple, what indices are
allowed?\n\nfunction functionalUpdate(updater, input) {\n  return typeof updater === 'function' ? updater(input) :
updater;\n}\n\nfunction noop() {\n  //\n}\n\nfunction makeStateUpdater(key, instance) {\n  return updater => {\n
instance.setState(old => {\n    return { ...old,\n      [key]: functionalUpdate(updater, old[key])\n    };\n  });\n}\n\nfunction isFunction(d) {\n  return d instanceof Function;\n}\n\nfunction flattenBy(arr, getChildren) {\n  const
flat = [];\n  const recurse = subArr => {\n    subArr.forEach(item => {\n      flat.push(item);\n      const children =
getChildren(item);\n      if (children != null && children.length) {\n        recurse(children);\n      }\n    });\n  };\n  recurse(arr);\n  return flat;\n}\n\nfunction memo(getDeps, fn, opts) {\n  let deps = [];\n  let result;\n  return () => {\n
let depTime;\n  if (opts.key && opts.debug) depTime = Date.now();\n  const newDeps = getDeps();\n  const
depsChanged = newDeps.length !== deps.length || newDeps.some((dep, index) => deps[index] !== dep);\n  if
(!depsChanged) {\n    return result;\n  }\n  deps = newDeps;\n  let resultTime;\n  if (opts.key &&
opts.debug) resultTime = Date.now();\n  result = fn(...newDeps);\n  opts == null ? void 0 : opts.onChange == null
? void 0 : opts.onChange(result);\n  if (opts.key && opts.debug) {\n    if (opts != null && opts.debug()) {\n
const depEndTime = Math.round((Date.now() - depTime) * 100) / 100;\n    const resultEndTime =
Math.round((Date.now() - resultTime) * 100) / 100;\n    const resultFpsPercentage = resultEndTime / 16;\n
const pad = (str, num) => {\n      str = String(str);\n      while (str.length < num) {\n        str = ' ' + str;\n
      }\n      return str;\n    };\n    console.info(`%c ${pad(resultEndTime, 5)} / ${pad(depEndTime, 5)} ms`, `\n
font-size: .6rem;\n font-weight: bold;\n color: hsl(${Math.max(0, Math.min(120 - 120 *
resultFpsPercentage, 120))}deg 100% 31%);`, opts == null ? void 0 : opts.key);\n  }\n  }\n  return result;\n
};\n}\n\nfunction createColumn(table, columnDef, depth, parent) {\n  const defaultColumn =
table._getDefaultColumnDef();\n  const resolvedColumnDef = { ...defaultColumn,\n    ...columnDef\n  };\n  const
accessorKey = resolvedColumnDef.accessorKey;\n  let id = resolvedColumnDef.id ?? (accessorKey ?
accessorKey.replace('.', '_') : undefined) ?? (typeof resolvedColumnDef.header === 'string' ?
resolvedColumnDef.header : undefined);\n  let accessorFn;\n  if (resolvedColumnDef.accessorFn) {\n
accessorFn = resolvedColumnDef.accessorFn;\n  } else if (accessorKey) {\n    // Support deep accessor keys\n    if
(accessorKey.includes('.')) {\n      accessorFn = originalRow => {\n        let result = originalRow;\n        for (const
key of accessorKey.split('.')) {\n          result = result[key];\n        }\n        return result;\n      }; \n    } else {\n
accessorFn = originalRow => originalRow[resolvedColumnDef.accessorKey];\n    }\n  }\n  if (!id) {\n    if
(process.env.NODE_ENV !== 'production') {\n      throw new Error(resolvedColumnDef.accessorFn ? `Columns
require an id when using an accessorFn` : `Columns require an id when using a non-string header`);\n    }\n    throw
new Error();\n  }\n  let column = {\n    id: `${String(id)}`,\n    accessorFn,\n    parent: parent,\n    depth,\n
columnDef: resolvedColumnDef,\n    columns: [],\n    getFlatColumns: memo(() => [true], () => {\n      var
_columnn$columns;\n      return [column, ...((_columnn$columns = column.columns) == null ? void 0 :
_columnn$columns.flatMap(d => d.getFlatColumns()))];\n    }, {\n      key: process.env.NODE_ENV ===
'production' && 'column.getFlatColumns',\n      debug: () => table.options.debugAll ??
table.options.debugColumns\n    }),\n    getLeafColumns: memo(() => [table._getOrderColumnsFn()],
orderColumns => {\n      var _columnn$columns2;\n      if ((_columnn$columns2 = column.columns) != null &&
_columnn$columns2.length) {\n        let leafColumns = column.columns.flatMap(column =>
column.getLeafColumns());\n        return orderColumns(leafColumns);\n      }\n      return [column];\n    }, {\n
key: process.env.NODE_ENV === 'production' && 'column.getLeafColumns',\n      debug: () =>
table.options.debugAll ?? table.options.debugColumns\n    });\n    column = table._features.reduce((obj, feature)
=> {\n      return Object.assign(obj, feature.createColumn == null ? void 0 : feature.createColumn(column, table));\n
    }, column);\n    // Yes, we have to convert table to unknown, because we know more than the compiler here.\n    return
column;\n  }\n}\n\nfunction createHeader(table, column, options) {\n  const id = options.id ?? column.id;\n  let

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header = {\n id,\n column,\n index: options.index,\n isPlaceholder: !!options.isPlaceholder,\n
placeholderId: options.placeholderId,\n depth: options.depth,\n subHeaders: [],\n colSpan: 0,\n rowSpan: 0,\n
headerGroup: null,\n getLeafHeaders: () => {\n const leafHeaders = [];\n const recurseHeader = h => {\n
if (h.subHeaders && h.subHeaders.length) {\n h.subHeaders.map(recurseHeader);\n }\n
leafHeaders.push(h);\n };\n recurseHeader(header);\n return leafHeaders;\n },\n getContext: () =>
({\n table,\n header: header,\n column\n })\n };\n table._features.forEach(feature => {\n
Object.assign(header, feature.createHeader === null ? void 0 : feature.createHeader(header, table));\n
});\n return
header;\n }\n\nconst Headers = {\n createTable: table => {\n return {\n // Header Groups\n
getHeaderGroups: memo(() => [table.getAllColumns(), table.getVisibleLeafColumns(),
table.getState().columnPinning.left, table.getState().columnPinning.right], (allColumns, leafColumns, left, right) =>
{\n const leftColumns = (left == null ? void 0 : left.map(columnId => leafColumns.find(d => d.id ===
columnId)).filter(Boolean)) ?? [];\n const rightColumns = (right == null ? void 0 : right.map(columnId =>
leafColumns.find(d => d.id === columnId)).filter(Boolean)) ?? [];\n const centerColumns =
leafColumns.filter(column => !(left != null && left.includes(column.id)) && !(right != null &&
right.includes(column.id)));\n const headerGroups = buildHeaderGroups(allColumns, [...leftColumns,
...centerColumns, ...rightColumns], table);\n return headerGroups;\n }, {\n key:
process.env.NODE_ENV === 'development' && 'getHeaderGroups',\n debug: () => table.options.debugAll ??
table.options.debugHeaders\n })),\n getCenterHeaderGroups: memo(() => [table.getAllColumns(),
table.getVisibleLeafColumns(), table.getState().columnPinning.left, table.getState().columnPinning.right],
(allColumns, leafColumns, left, right) => {\n leafColumns = leafColumns.filter(column => !(left != null &&
left.includes(column.id)) && !(right != null && right.includes(column.id)));\n return
buildHeaderGroups(allColumns, leafColumns, table, 'center');\n }, {\n key: process.env.NODE_ENV ===
'development' && 'getCenterHeaderGroups',\n debug: () => table.options.debugAll ??
table.options.debugHeaders\n })),\n getLeftHeaderGroups: memo(() => [table.getAllColumns(),
table.getVisibleLeafColumns(), table.getState().columnPinning.left], (allColumns, leafColumns, left) => {\n
const orderedLeafColumns = (left == null ? void 0 : left.map(columnId => leafColumns.find(d => d.id ===
columnId)).filter(Boolean)) ?? [];\n return buildHeaderGroups(allColumns, orderedLeafColumns, table, 'left');\n
}), {\n key: process.env.NODE_ENV === 'development' && 'getLeftHeaderGroups',\n debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n })),\n getRightHeaderGroups: memo(() =>
[table.getAllColumns(), table.getVisibleLeafColumns(), table.getState().columnPinning.right], (allColumns,
leafColumns, right) => {\n const orderedLeafColumns = (right == null ? void 0 : right.map(columnId =>
leafColumns.find(d => d.id === columnId)).filter(Boolean)) ?? [];\n return buildHeaderGroups(allColumns,
orderedLeafColumns, table, 'right');\n }, {\n key: process.env.NODE_ENV === 'development' &&
'getRightHeaderGroups',\n debug: () => table.options.debugAll ?? table.options.debugHeaders\n })),\n //
Footer Groups\n getFooterGroups: memo(() => [table.getHeaderGroups()], headerGroups => {\n return
[...headerGroups].reverse();\n }, {\n key: process.env.NODE_ENV === 'development' &&
'getFooterGroups',\n debug: () => table.options.debugAll ?? table.options.debugHeaders\n })),\n
getLeftFooterGroups: memo(() => [table.getLeftHeaderGroups()], headerGroups => {\n return
[...headerGroups].reverse();\n }, {\n key: process.env.NODE_ENV === 'development' &&
'getLeftFooterGroups',\n debug: () => table.options.debugAll ?? table.options.debugHeaders\n })),\n
getCenterFooterGroups: memo(() => [table.getCenterHeaderGroups()], headerGroups => {\n return
[...headerGroups].reverse();\n }, {\n key: process.env.NODE_ENV === 'development' &&
'getCenterFooterGroups',\n debug: () => table.options.debugAll ?? table.options.debugHeaders\n })),\n
getRightFooterGroups: memo(() => [table.getRightHeaderGroups()], headerGroups => {\n return
[...headerGroups].reverse();\n }, {\n key: process.env.NODE_ENV === 'development' &&
'getRightFooterGroups',\n debug: () => table.options.debugAll ?? table.options.debugHeaders\n })),\n //
Flat Headers\n getFlatHeaders: memo(() => [table.getHeaderGroups()], headerGroups => {\n return
headerGroups.map(headerGroup => {\n return headerGroup.headers;\n }).flat();\n }, {\n key:

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process.env.NODE_ENV === 'development' && 'getFlatHeaders',\n    debug: () => table.options.debugAll ??
table.options.debugHeaders\n    })),\n    getLeftFlatHeaders: memo(() => [table.getLeftHeaderGroups()], left =>
{\n    return left.map(headerGroup => {\n    return headerGroup.headers;\n    }).flat();\n    }, {\n    key:
process.env.NODE_ENV === 'development' && 'getLeftFlatHeaders',\n    debug: () => table.options.debugAll ??
table.options.debugHeaders\n    })),\n    getCenterFlatHeaders: memo(() => [table.getCenterHeaderGroups()], left
=> {\n    return left.map(headerGroup => {\n    return headerGroup.headers;\n    }).flat();\n    }, {\n
key: process.env.NODE_ENV === 'development' && 'getCenterFlatHeaders',\n    debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n    })),\n    getRightFlatHeaders: memo(() =>
[table.getRightHeaderGroups()], left => {\n    return left.map(headerGroup => {\n    return
headerGroup.headers;\n    }).flat();\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getRightFlatHeaders',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n    })),\n    // Leaf
Headers\n    getCenterLeafHeaders: memo(() => [table.getCenterFlatHeaders()], flatHeaders => {\n    return
flatHeaders.filter(header => {\n    var _header$subHeaders;\n    return !((_header$subHeaders =
header.subHeaders) != null && _header$subHeaders.length);\n    });\n    }, {\n    key:
process.env.NODE_ENV === 'development' && 'getCenterLeafHeaders',\n    debug: () =>
table.options.debugAll ?? table.options.debugHeaders\n    })),\n    getLeftLeafHeaders: memo(() =>
[table.getLeftFlatHeaders()], flatHeaders => {\n    return flatHeaders.filter(header => {\n    var
_header$subHeaders2;\n    return !((_header$subHeaders2 = header.subHeaders) != null &&
_header$subHeaders2.length);\n    });\n    }, {\n    key: process.env.NODE_ENV === 'development' &&
'getLeftLeafHeaders',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n    })),\n
getRightLeafHeaders: memo(() => [table.getRightFlatHeaders()], flatHeaders => {\n    return
flatHeaders.filter(header => {\n    var _header$subHeaders3;\n    return !((_header$subHeaders3 =
header.subHeaders) != null && _header$subHeaders3.length);\n    });\n    }, {\n    key:
process.env.NODE_ENV === 'development' && 'getRightLeafHeaders',\n    debug: () => table.options.debugAll
?? table.options.debugHeaders\n    })),\n    getLeafHeaders: memo(() => [table.getLeftHeaderGroups(),
table.getCenterHeaderGroups(), table.getRightHeaderGroups()], (left, center, right) => {\n    var _left$,
_center$,
_right$;\n    return [...(((_left$ = left[0]) == null ? void 0 : _left$.headers) ?? []), ...(((_center$ = center[0]) ==
null ? void 0 : _center$.headers) ?? []), ...(((_right$ = right[0]) == null ? void 0 : _right$.headers) ?? [])].map(header
=> {\n    return header.getLeafHeaders();\n    }).flat();\n    }, {\n    key: process.env.NODE_ENV ===
'development' && 'getLeafHeaders',\n    debug: () => table.options.debugAll ?? table.options.debugHeaders\n
})\n    }));\n\nfunction buildHeaderGroups(allColumns, columnsToGroup, table, headerFamily) {\n    var
_headerGroups$;\n    // Find the max depth of the columns:\n    // build the leaf column row\n    // build each buffer
row going up\n    // placeholder for non-existent level\n    // real column for existing level\n    let maxDepth = 0;\n    const findMaxDepth = function (columns, depth) {\n    if (depth === void 0) {\n    depth = 1;\n    }\n    maxDepth
= Math.max(maxDepth, depth);\n    columns.filter(column => column.isVisible()).forEach(column => {\n    var
_column$columns;\n    if ((_column$columns = column.columns) != null && _column$columns.length) {\n
findMaxDepth(column.columns, depth + 1);\n    }\n    });\n    findMaxDepth(allColumns);\n    let
headerGroups = [];\n    const createHeaderGroup = (headersToGroup, depth) => {\n    // The header group we are
creating\n    const headerGroup = {\n    depth,\n    id: [headerFamily, `${depth}`].filter(Boolean).join('_'),\n
headers: []\n    }; // The parent columns we're going to scan next\n    const pendingParentHeaders = []; // Scan each
column for parents\n    headersToGroup.forEach(headerToGroup => {\n    // What is the latest (last) parent
column?\n    const latestPendingParentHeader = [...pendingParentHeaders].reverse()[0];\n    const isLeafHeader =
headerToGroup.column.depth === headerGroup.depth;\n    let column;\n    let isPlaceholder = false;\n    if
(isLeafHeader && headerToGroup.column.parent) {\n    // The parent header is new\n    column =
headerToGroup.column.parent;\n    } else {\n    // The parent header is repeated\n    column =
headerToGroup.column;\n    isPlaceholder = true;\n    }\n    if (latestPendingParentHeader &&
(latestPendingParentHeader == null ? void 0 : latestPendingParentHeader.column) === column) {\n    // This
column is repeated. Add it as a sub header to the next batch\n

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latestPendingParentHeader.subHeaders.push(headerToGroup);\n    } else {\n        // This is a new header. Let's
create it\n        const header = createHeader(table, column, {\n            id: [headerFamily, depth, column.id,
headerToGroup == null ? void 0 : headerToGroup.id].filter(Boolean).join('_'),\n            isPlaceholder,\nplaceholderId: isPlaceholder ? `${pendingParentHeaders.filter(d => d.column === column).length}` : undefined,\n        depth,\n            index: pendingParentHeaders.length\n        }); // Add the headerToGroup as a subHeader of the
new header\n        header.subHeaders.push(headerToGroup); // Add the new header to the pendingParentHeaders
to get grouped\n        // in the next batch\n        pendingParentHeaders.push(header);\n    }\n    headerGroup.headers.push(headerToGroup);\n    headerToGroup.headerGroup = headerGroup;\n});\nheaderGroups.push(headerGroup);\n\nif (depth > 0) {\n    createHeaderGroup(pendingParentHeaders, depth -
1);\n}\n\nconst bottomHeaders = columnsToGroup.map((column, index) => createHeader(table, column,
{\n    depth: maxDepth,\n    index\n}));\ncreateHeaderGroup(bottomHeaders, maxDepth - 1);\nheaderGroups.reverse(); // headerGroups = headerGroups.filter(headerGroup => {\n    // return
!headerGroup.headers.every(header => header.isPlaceholder)\n    // })\n\nconst recurseHeadersForSpans = headers
=> {\n    const filteredHeaders = headers.filter(header => header.column.getIsVisible());\n    return
filteredHeaders.map(header => {\n        let colSpan = 0;\n        let rowSpan = 0;\n        let childRowSpans = [0];\n\n        if
(header.subHeaders && header.subHeaders.length) {\n            childRowSpans = [];\nrecurseHeadersForSpans(header.subHeaders).forEach(_ref => {\n                let {\n                    colSpan: childColSpan,\nrowSpan: childRowSpan\n                } = _ref;\n                colSpan += childColSpan;\nchildRowSpans.push(childRowSpan);\n            });\n        } else {\n            colSpan = 1;\n        }\n\n        const
minChildRowSpan = Math.min(...childRowSpans);\n        rowSpan = rowSpan + minChildRowSpan;\nheader.colSpan = colSpan;\n        header.rowSpan = rowSpan;\n        return {\n            colSpan,\n            rowSpan\n        };\n    });\n\n    recurseHeadersForSpans((_headerGroups$ = headerGroups[0]) == null ? void 0 :
_headerGroups$.headers) ?? []);\n    return headerGroups;\n}\n\nconst defaultColumnSizing = {\n    size: 150,\nminSize: 20,\n    maxSize: Number.MAX_SAFE_INTEGER\n};\n\nconst getDefaultColumnSizingInfoState = () =>
({\n    startOffset: null,\n    startSize: null,\n    deltaOffset: null,\n    deltaPercentage: null,\n    isResizingColumn: false,\ncolumnSizingStart: []\n});\n\nconst ColumnSizing = {\n    getDefaultColumnDef: () => {\n        return
defaultColumnSizing;\n    },\n    getInitialState: state => {\n        return {\n            columnSizing: {},\n            columnSizingInfo:
getDefaultColumnSizingInfoState(),\n            ...state\n        };\n    },\n    getDefaultOptions: table => {\n        return {\n            columnResizeMode: 'onEnd',\n            onColumnSizingChange: makeStateUpdater('columnSizing', table),\n            onColumnSizingInfoChange: makeStateUpdater('columnSizingInfo', table)\n        };\n    },\n    createColumn: (column,
table) => {\n        return {\n            getSize: () => {\n                const columnSize = table.getState().columnSizing[column.id];\n                return Math.min(Math.max(column.columnDef.minSize ?? defaultColumnSizing.minSize, columnSize ??
column.columnDef.size ?? defaultColumnSizing.size), column.columnDef.maxSize ??
defaultColumnSizing.maxSize);\n            },\n            getStart: position => {\n                const columns = !position ?
table.getVisibleLeafColumns() : position === 'left' ? table.getLeftVisibleLeafColumns() :
table.getRightVisibleLeafColumns();\n                const index = columns.findIndex(d => d.id === column.id);\n\n                if
(index > 0) {\n                    const prevSiblingColumn = columns[index - 1];\n                    return
prevSiblingColumn.getStart(position) + prevSiblingColumn.getSize();\n                }\n                return 0;\n            },\n            resetSize: () => {\n                table.setColumnSizing(_ref => {\n                    let {\n                        [column.id]: _,\n                        ...rest\n                    } = _ref;\n                    return rest;\n                });\n            },\n            getCanResize: () => {\n                return
(column.columnDef.enableResizing ?? true) && (table.options.enableColumnResizing ?? true);\n            },\n            getIsResizing: () => {\n                return table.getState().columnSizingInfo.isResizingColumn === column.id;\n            }\n        };\n    },\n    createHeader: (header, table) => {\n        return {\n            getSize: () => {\n                let sum = 0;\n\n                const
recurse = header => {\n                    if (header.subHeaders.length) {\n                        header.subHeaders.forEach(recurse);\n                    } else {\n                        sum += header.column.getSize() ?? 0;\n                    }\n                };\n                recurse(header);\n                return
sum;\n            },\n            getStart: () => {\n                if (header.index > 0) {\n                    const prevSiblingHeader =
header.headerGroup.headers[header.index - 1];\n                    return prevSiblingHeader.getStart() +
prevSiblingHeader.getSize();\n                }\n                return 0;\n            },\n            getResizeHandler: () => {\n                const column =

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table.getColumn(header.column.id);\n    const canResize = column.getCanResize();\n    return e => {\n    if
(!canResize) {\n    return;\n    }\n    e.persist == null ? void 0 : e.persist();\n\n    if
(isTouchStartEvent(e)) {\n    // lets not respond to multiple touches (e.g. 2 or 3 fingers)\n    if (e.touches
&& e.touches.length > 1) {\n    return;\n    }\n    }\n\n    const startSize = header.getSize();\n    const columnSizingStart = header ? header.getLeafHeaders().map(d => [d.column.id, d.column.getSize()]) :
[[column.id, column.getSize()]);\n    const clientX = isTouchStartEvent(e) ? Math.round(e.touches[0].clientX) :
e.clientX;\n\n    const updateOffset = (eventType, clientXPos) => {\n    if (typeof clientXPos !== 'number')
{\n    return;\n    }\n\n    let newColumnSizing = {};\n    table.setColumnSizingInfo(old => {\n
const deltaOffset = clientXPos - ((old == null ? void 0 : old.startOffset) ?? 0);\n    const deltaPercentage
= Math.max(deltaOffset / ((old == null ? void 0 : old.startSize) ?? 0), -0.999999);\n
old.columnSizingStart.forEach(_ref2 => {\n    let [columnId, headerSize] = _ref2;\n
newColumnSizing[columnId] = Math.round(Math.max(headerSize + headerSize * deltaPercentage, 0) * 100) /
100;\n    });\n    return { ...old,\n    deltaOffset,\n    deltaPercentage\n    };\n
});\n\n    if (table.options.columnResizeMode === 'onChange' || eventType === 'end') {\n
table.setColumnSizing(old => ({ ...old,\n    ...newColumnSizing\n    }));\n    }\n    };\n\n    const onMove = clientXPos => updateOffset('move', clientXPos);\n    const onEnd = clientXPos => {\n
updateOffset('end', clientXPos);\n    table.setColumnSizingInfo(old => ({ ...old,\n    isResizingColumn:
false,\n    startOffset: null,\n    startSize: null,\n    deltaOffset: null,\n    deltaPercentage:
null,\n    columnSizingStart: []\n    }));\n    };\n\n    const mouseEvents = {\n    moveHandler:
e => onMove(e.clientX),\n    upHandler: e => {\n    document.removeEventListener('mousemove',
mouseEvents.moveHandler);\n    document.removeEventListener('mouseup', mouseEvents.upHandler);\n
onEnd(e.clientX);\n    }\n    };\n    const passiveIfSupported = passiveEventSupported() ? {\n
passive: false\n    } : false;\n    if (isTouchStartEvent(e)); else {\n
document.addEventListener('mousemove', mouseEvents.moveHandler, passiveIfSupported);\n
document.addEventListener('mouseup', mouseEvents.upHandler, passiveIfSupported);\n    }\n\n    table.setColumnSizingInfo(old => ({ ...old,\n    startOffset: clientX,\n    startSize,\n    deltaOffset:
0,\n    deltaPercentage: 0,\n    columnSizingStart,\n    isResizingColumn: column.id\n    }));\n
};\n    }\n    },\n    createTable: table => {\n    return {\n    setColumnSizing: updater =>
table.options.onColumnSizingChange == null ? void 0 : table.options.onColumnSizingChange(updater),\n
setColumnSizingInfo: updater => table.options.onColumnSizingInfoChange == null ? void 0 :
table.options.onColumnSizingInfoChange(updater),\n    resetColumnSizing: defaultState => {\n
table.setColumnSizing(defaultState ? {} : table.initialState.columnSizing ?? {});\n    },\n    resetHeaderSizeInfo:
defaultState => {\n    table.setColumnSizingInfo(defaultState ? getDefaultColumnSizingInfoState() :
table.initialState.columnSizingInfo ?? getDefaultColumnSizingInfoState());\n    },\n    getTotalSize: () => {\n
var _table$getHeaderGroup;\n\n    return ((_table$getHeaderGroup = table.getHeaderGroups()[0]) == null ? void
0 : _table$getHeaderGroup.headers.reduce((sum, header) => {\n    return sum + header.getSize();\n    }, 0)) ??
0;\n    },\n    getLeftTotalSize: () => {\n    var _table$getLeftHeaderG;\n\n    return ((_table$getLeftHeaderG
= table.getLeftHeaderGroups()[0]) == null ? void 0 : _table$getLeftHeaderG.headers.reduce((sum, header) => {\n
return sum + header.getSize();\n    }, 0)) ?? 0;\n    },\n    getCenterTotalSize: () => {\n    var
_table$getCenterHeade;\n\n    return ((_table$getCenterHeade = table.getCenterHeaderGroups()[0]) == null ?
void 0 : _table$getCenterHeade.headers.reduce((sum, header) => {\n    return sum + header.getSize();\n    },
0)) ?? 0;\n    },\n    getRightTotalSize: () => {\n    var _table$getRightHeader;\n\n    return
((_table$getRightHeader = table.getRightHeaderGroups()[0]) == null ? void 0 :
_table$getRightHeader.headers.reduce((sum, header) => {\n    return sum + header.getSize();\n    }, 0)) ?? 0;\n
}\n    };\n\n    let passiveSupported = null;\n    function passiveEventSupported() {\n    if (typeof passiveSupported
=== 'boolean') return passiveSupported;\n    let supported = false;\n\n    try {\n    const options = {\n    get passive()
{\n    supported = true;\n    return false;\n    }\n    };\n\n    const noop = () => {};\n\n    window.addEventListener('test', noop, options);\n    window.removeEventListener('test', noop);\n    } catch (err) {\n

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testFalsy(val);\n\nconst includesStringSensitive = (row, columnId, filterValue) => {\n  var _row$getValue2;\n\n  return (_row$getValue2 = row.getValue(columnId)) == null ? void 0 :
  _row$getValue2.includes(filterValue);\n};\n\nincludesStringSensitive.autoRemove = val =>
testFalsy(val);\n\nconst equalsString = (row, columnId, filterValue) => {\n  var _row$getValue3;\n\n  return
  ((_row$getValue3 = row.getValue(columnId)) == null ? void 0 : _row$getValue3.toLowerCase()) ===
  filterValue.toLowerCase();\n};\n\nequalsString.autoRemove = val => testFalsy(val);\n\nconst arrIncludes = (row,
columnId, filterValue) => {\n  var _row$getValue4;\n\n  return (_row$getValue4 = row.getValue(columnId)) ==
  null ? void 0 : _row$getValue4.includes(filterValue);\n};\n\narrIncludes.autoRemove = val => testFalsy(val) ||
!(val != null && val.length);\n\nconst arrIncludesAll = (row, columnId, filterValue) => {\n  return
  !filterValue.some(val => {\n    var _row$getValue5;\n\n    return !((_row$getValue5 = row.getValue(columnId)) !=
  null && _row$getValue5.includes(val));\n  });\n};\n\narrIncludesAll.autoRemove = val => testFalsy(val) || !(val !=
  null && val.length);\n\nconst arrIncludesSome = (row, columnId, filterValue) => {\n  return filterValue.some(val
=> {\n    var _row$getValue6;\n\n    return (_row$getValue6 = row.getValue(columnId)) == null ? void 0 :
  _row$getValue6.includes(val);\n  });\n};\n\narrIncludesSome.autoRemove = val => testFalsy(val) || !(val !=
  null && val.length);\n\nconst equals = (row, columnId, filterValue) => {\n  return row.getValue(columnId) ===
  filterValue;\n};\n\nequals.autoRemove = val => testFalsy(val);\n\nconst weakEquals = (row, columnId,
filterValue) => {\n  return row.getValue(columnId) == filterValue;\n};\n\nweakEquals.autoRemove = val =>
testFalsy(val);\n\nconst inNumberRange = (row, columnId, filterValue) => {\n  let [min, max] = filterValue;\n
  const rowValue = row.getValue(columnId);\n  return rowValue >= min && rowValue <=
  max;\n};\n\ninNumberRange.resolveFilterValue = val => {\n  let [unsafeMin, unsafeMax] = val;\n  let parsedMin =
  typeof unsafeMin !== 'number' ? parseFloat(unsafeMin) : unsafeMin;\n  let parsedMax = typeof unsafeMax !==
  'number' ? parseFloat(unsafeMax) : unsafeMax;\n  let min = unsafeMin === null || Number.isNaN(parsedMin) ? -
  Infinity : parsedMin;\n  let max = unsafeMax === null || Number.isNaN(parsedMax) ? Infinity : parsedMax;\n\n  if
  (min > max) {\n    const temp = min;\n    min = max;\n    max = temp;\n  }\n\n  return [min,
  max];\n};\n\ninNumberRange.autoRemove = val => testFalsy(val) || testFalsy(val[0]) && testFalsy(val[1]); //
Export\n\nconst filterFns = {\n  includesString,\n  includesStringSensitive,\n  equalsString,\n  arrIncludes,\n
  arrIncludesAll,\n  arrIncludesSome,\n  equals,\n  weakEquals,\n  inNumberRange\n};\n\n// Utils\nfunction
testFalsy(val) {\n  return val === undefined || val === null || val === '';\n}\n\nconst Filters = {\n
  getDefaultColumnDef: () => {\n    return {\n      filterFn: 'auto'\n    };,\n    getInitialState: state => {\n    return {\n
      columnFilters: [],\n      globalFilter: undefined,\n      // filtersProgress: 1,\n      // facetProgress: {},\n
      ...state\n    };\n  },\n    getDefaultOptions: table => {\n    return {\n      onColumnFiltersChange:
      makeStateUpdater('columnFilters', table),\n      onGlobalFilterChange: makeStateUpdater('globalFilter', table),\n
      filterFromLeafRows: false,\n      globalFilterFn: 'auto',\n      getColumnCanGlobalFilter: column => {\n      var
      _table$coreRowMode, _table$coreRowMode2;\n\n      const value = (_table$coreRowMode =
      table.getCoreRowModel().flatRows[0]) == null ? void 0 : (_table$coreRowMode2 =
      _table$coreRowMode._getAllCellsByColumnId()[column.id]) == null ? void 0 :
      _table$coreRowMode2.getValue();\n      return typeof value === 'string' || typeof value === 'number';\n    }
      };\n    },\n    createColumn: (column, table) => {\n    return {\n      getAutoFilterFn: () => {\n      const firstRow =
      table.getCoreRowModel().flatRows[0];\n      const value = firstRow == null ? void 0 :
      firstRow.getValue(column.id);\n\n      if (typeof value === 'string') {\n        return filterFns.includesString;\n
      }\n\n      if (typeof value === 'number') {\n        return filterFns.inNumberRange;\n      }\n\n      if (typeof value
      === 'boolean') {\n        return filterFns.equals;\n      }\n\n      if (value !== null && typeof value === 'object') {\n
        return filterFns.equals;\n      }\n\n      if (Array.isArray(value)) {\n        return filterFns.arrIncludes;\n
      }\n\n      return filterFns.weakEquals;\n    }},\n      getFilterFn: () => {\n      var _table$options$filter;\n\n
      return isFunction(column.columnDef.filterFn) ? column.columnDef.filterFn : column.columnDef.filterFn === 'auto'
      ? column.getAutoFilterFn() : ((_table$options$filter = table.options.filterFns) == null ? void 0 :
      _table$options$filter[column.columnDef.filterFn]) ?? filterFns[column.columnDef.filterFn];\n    }},\n
      getCanFilter: () => {\n      return (column.columnDef.enableColumnFilter ?? true) &&
    }
  }
}

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(table.options.enableColumnFilters ?? true) && (table.options.enableFilters ?? true) && !!column.accessorFn;\n
  },\n  getCanGlobalFilter: () => {\n    return (column.columnDef.enableGlobalFilter ?? true) &&\n
    (table.options.enableGlobalFilter ?? true) && (table.options.enableFilters ?? true) &&\n
    ((table.options.getColumnCanGlobalFilter == null ? void 0 : table.options.getColumnCanGlobalFilter(column)) ??\n
    true) && !!column.accessorFn;\n  },\n  getIsFiltered: () => column.getFilterIndex() > -1,\n  getFilterValue: ()\n  => {\n    var _table$getState$column, _table$getState$column2;\n    return (_table$getState$column =\n
    table.getState().columnFilters) == null ? void 0 : (_table$getState$column2 = _table$getState$column.find(d => d.id\n
    === column.id)) == null ? void 0 : _table$getState$column2.value;\n  },\n  getFilterIndex: () => {\n    var\n
    _table$getState$column3;\n    return ((_table$getState$column3 = table.getState().columnFilters) == null ? void 0\n
    : _table$getState$column3.findIndex(d => d.id === column.id)) ?? -1;\n  },\n  setFilterValue: value => {\n\n
    table.setColumnFilters(old => {\n      const filterFn = column.getFilterFn();\n      const previousfilter = old ==\n
    null ? void 0 : old.find(d => d.id === column.id);\n      const newFilter = functionalUpdate(value, previousfilter ?\n
    previousfilter.value : undefined); //\n      if (shouldAutoRemoveFilter(filterFn, newFilter, column)) {\n\n
    return (old == null ? void 0 : old.filter(d => d.id !== column.id)) ?? [];\n      }\n      const newFilterObj = {\n\n
    id: column.id,\n      value: newFilter\n    };\n      if (previousfilter) {\n        return (old == null ?\n
    void 0 : old.map(d => {\n          if (d.id === column.id) {\n            return newFilterObj;\n          }\n\n
    return d;\n        }))) ?? [];\n      }\n      if (old != null && old.length) {\n        return [...old,\n
    newFilterObj];\n      }\n      return [newFilterObj];\n    });\n  },\n  _getFacetedRowModel:\n
table.options.getFacetedRowModel && table.options.getFacetedRowModel(table, column.id),\n
getFacetedRowModel: () => {\n  if (!column._getFacetedRowModel) {\n    return\n
table.getPreFilteredRowModel();\n  }\n  return column._getFacetedRowModel();\n },\n
_getFacetedUniqueValues: table.options.getFacetedUniqueValues && table.options.getFacetedUniqueValues(table,\n
column.id),\n
getFacetedUniqueValues: () => {\n  if (!column._getFacetedUniqueValues) {\n    return\n
new Map();\n  }\n  return column._getFacetedUniqueValues();\n },\n
_getFacetedMinMaxValues:\n
table.options.getFacetedMinMaxValues && table.options.getFacetedMinMaxValues(table, column.id),\n
getFacetedMinMaxValues: () => {\n  if (!column._getFacetedMinMaxValues) {\n    return undefined;\n
  }\n  return column._getFacetedMinMaxValues();\n } // () => [column.getFacetedRowModel(),\n //\n
facetedRowModel => getRowModelMinMaxValues(facetedRowModel, column.id),\n\n ];\n },\n
createRow:\n
(row, table) => {\n  return {\n    columnFilters: {},\n    columnFiltersMeta: {}\n  };\n },\n
createTable: table\n
=> {\n  return {\n    getGlobalAutoFilterFn: () => {\n      return filterFns.includesString;\n    },\n
getGlobalFilterFn: () => {\n      var _table$options$filter2;\n      const {\n        globalFilterFn: globalFilterFn\n
      } = table.options;\n      return isFunction(globalFilterFn) ? globalFilterFn : globalFilterFn === 'auto' ?\n
table.getGlobalAutoFilterFn() : ((_table$options$filter2 = table.options.filterFns) == null ? void 0 :\n
_table$options$filter2[globalFilterFn]) ?? filterFns[globalFilterFn];\n    },\n    setColumnFilters: updater => {\n\n
const leafColumns = table.getAllLeafColumns();\n      const updateFn = old => {\n        var\n
_functionalUpdate;\n        return (_functionalUpdate = functionalUpdate(updater, old)) == null ? void 0 :\n
_functionalUpdate.filter(filter => {\n          const column = leafColumns.find(d => d.id === filter.id);\n          if\n
(column) {\n            const filterFn = column.getFilterFn();\n            if (shouldAutoRemoveFilter(filterFn,\n
filter.value, column)) {\n              return false;\n            }\n            return true;\n          }\n
});\n        }\n        table.options.onColumnFiltersChange == null ? void 0 : table.options.onColumnFiltersChange(updateFn);\n
      },\n    setGlobalFilter: updater => {\n      table.options.onGlobalFilterChange == null ? void 0 :\n
table.options.onGlobalFilterChange(updater);\n    },\n    resetGlobalFilter: defaultState => {\n\n
table.setGlobalFilter(defaultState ? undefined : table.initialState.globalFilter);\n    },\n    resetColumnFilters:\n
defaultState => {\n      var _table$initialState;\n      table.setColumnFilters(defaultState ? [] :\n
((_table$initialState = table.initialState) == null ? void 0 : _table$initialState.columnFilters) ?? []);\n    },\n
getPreFilteredRowModel: () => table.getCoreRowModel(),\n
getFilteredRowModel: () => {\n  if\n
(!table._getFilteredRowModel && table.options.getFilteredRowModel) {\n    table._getFilteredRowModel =\n
table.options.getFilteredRowModel(table);\n  }\n  if (table.options.manualFiltering ||

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!table._getFilteredRowModel) {\n      return table.getPreFilteredRowModel();\n    }\n\n    return\n    table._getFilteredRowModel();\n  },\n  _getGlobalFacetedRowModel: table.options.getFacetedRowModel &&\n  table.options.getFacetedRowModel(table, '__global__'),\n  getGlobalFacetedRowModel: () => {\n    if\n    (table.options.manualFiltering || !table._getGlobalFacetedRowModel) {\n      return\n      table.getPreFilteredRowModel();\n    }\n\n    return table._getGlobalFacetedRowModel();\n  },\n  _getGlobalFacetedUniqueValues: table.options.getFacetedUniqueValues &&\n  table.options.getFacetedUniqueValues(table, '__global__'),\n  getGlobalFacetedUniqueValues: () => {\n    if\n    (!table._getGlobalFacetedUniqueValues) {\n      return new Map();\n    }\n\n    return\n    table._getGlobalFacetedUniqueValues();\n  },\n  _getGlobalFacetedMinMaxValues:\n  table.options.getFacetedMinMaxValues && table.options.getFacetedMinMaxValues(table, '__global__'),\n  getGlobalFacetedMinMaxValues: () => {\n    if (!table._getGlobalFacetedMinMaxValues) {\n      return;\n    }\n\n    return table._getGlobalFacetedMinMaxValues();\n  };\n};\n\nfunction\nshouldAutoRemoveFilter(filterFn, value, column) {\n  return (filterFn && filterFn.autoRemove ?\n  filterFn.autoRemove(value, column) : false) || typeof value === 'undefined' || typeof value === 'string' &&\n  !value;\n}\n\nconst sum = (columnId, _leafRows, childRows) => {\n  // It's faster to just add the aggregations\n  together instead of\n  // process leaf nodes individually\n  return childRows.reduce((sum, next) => {\n    const\n    nextValue = next.getValue(columnId);\n    return sum + (typeof nextValue === 'number' ? nextValue : 0);\n  },\n  0);\n}\n\nconst min = (columnId, _leafRows, childRows) => {\n  let min;\n  childRows.forEach(row => {\n    const\n    value = row.getValue(columnId);\n    if (value != null && (min > value || min === undefined && value >= value))\n    {\n      min = value;\n    }\n  });\n  return min;\n}\n\nconst max = (columnId, _leafRows, childRows) => {\n  let\n  max;\n  childRows.forEach(row => {\n    const value = row.getValue(columnId);\n    if (value != null && (max <\n  value || max === undefined && value >= value)) {\n      max = value;\n    }\n  });\n  return max;\n}\n\nconst extent\n= (columnId, _leafRows, childRows) => {\n  let min;\n  let max;\n  childRows.forEach(row => {\n    const value =\n  row.getValue(columnId);\n\n    if (value != null) {\n      if (min === undefined) {\n        if (value >= value) min =\n  max = value;\n      } else {\n        if (min > value) min = value;\n        if (max < value) max = value;\n      }\n    }\n  });\n  return [min, max];\n}\n\nconst mean = (columnId, leafRows) => {\n  let count = 0;\n  let sum = 0;\n  leafRows.forEach(row => {\n    let value = row.getValue(columnId);\n    if (value != null && (value = +value) >=\n  value) {\n      ++count, sum += value;\n    }\n  });\n  if (count) return sum / count;\n  return;\n}\n\nconst median =\n(columnId, leafRows) => {\n  if (!leafRows.length) {\n    return;\n  }\n  let min = 0;\n  let max = 0;\n  leafRows.forEach(row => {\n    let value = row.getValue(columnId);\n    if (typeof value === 'number') {\n      min = Math.min(min, value);\n      max = Math.max(max, value);\n    }\n  });\n  return (min + max) / 2;\n}\n\nconst\nunique = (columnId, leafRows) => {\n  return Array.from(new Set(leafRows.map(d =>\n  d.getValue(columnId))).values());\n}\n\nconst\nuniqueCount = (columnId, leafRows) => {\n  return new\n  Set(leafRows.map(d => d.getValue(columnId))).size;\n}\n\nconst\ncount = (_columnId, leafRows) => {\n  return\n  leafRows.length;\n}\n\nconst\naggregationFns = {\n  sum,\n  min,\n  max,\n  extent,\n  mean,\n  median,\n  unique,\n  uniqueCount,\n  count\n};\n\nconst\nGrouping = {\n  getDefaultColumnDef: () => {\n    return {\n\n  aggregatedCell: props => {\n      var _props$getValue;\n\n      return ((_props$getValue = props.getValue()) ==\n  null ? void 0 : _props$getValue.toString) == null ? void 0 : _props$getValue.toString() ?? null;\n    },\n\n  aggregationFn: 'auto'\n  };\n  },\n  getInitialState: state => {\n    return {\n      grouping: [],\n      ...state\n    };\n  },\n  getDefaultOptions: table => {\n    return {\n      onGroupingChange: makeStateUpdater('grouping', table),\n\n  groupedColumnMode: 'reorder'\n  };\n  },\n  createColumn: (column, table) => {\n    return {\n      toggleGrouping:\n  () => {\n        table.setGrouping(old => {\n          // Find any existing grouping for this column\n          if (old != null\n  && old.includes(column.id)) {\n            return old.filter(d => d !== column.id);\n          }\n\n          return [...(old ??\n  []), column.id];\n        };\n      },\n      getCanGroup: () => {\n        return column.columnDef.enableGrouping ?? true\n  ?? table.options.enableGrouping ?? true ?? !column.accessorFn;\n      },\n      getIsGrouped: () => {\n        var\n        _table$getState$group;\n\n        return (_table$getState$group = table.getState().grouping) == null ? void 0 :\n  _table$getState$group.includes(column.id);\n      },\n      getGroupedIndex: () => {\n        var\n        _table$getState$group2;\n\n        return (_table$getState$group2 = table.getState().grouping) == null ? void 0 :

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_table$getState$group2.indexOf(column.id);\n    },\n    getToggleGroupingHandler: () => {\n      const canGroup
= column.getCanGroup();\n      return () => {\n        if (!canGroup) return;\n        column.toggleGrouping();\n
};\n    },\n    getAutoAggregationFn: () => {\n      const firstRow = table.getCoreRowModel().flatRows[0];\n
const value = firstRow == null ? void 0 : firstRow.getValue(column.id);\n      if (typeof value === 'number') {\n
        return aggregationFns.sum;\n      }\n      if (Object.prototype.toString.call(value) === '[object Date]') {\n
return aggregationFns.extent;\n      }\n    },\n    getAggregationFn: () => {\n      var _table$options$aggreg;
\n      if (!column) {\n        throw new Error();\n      }\n      return isFunction(column.columnDef.aggregationFn) ?
column.columnDef.aggregationFn : column.columnDef.aggregationFn === 'auto' ? column.getAutoAggregationFn()
: ((_table$options$aggreg = table.options.aggregationFns) == null ? void 0 :
_table$options$aggreg[column.columnDef.aggregationFn]) ??
aggregationFns[column.columnDef.aggregationFn];\n    };\n  },\n  createTable: table => {\n    return {\n
setGrouping: updater => table.options.onGroupingChange == null ? void 0 :
table.options.onGroupingChange(updater),\n    resetGrouping: defaultState => {\n      var _table$initialState;
\n      table.setGrouping(defaultState ? [] : ((_table$initialState = table.initialState) == null ? void 0 :
_table$initialState.grouping) ?? []);\n    },\n    getPreGroupedRowModel: () => table.getFilteredRowModel(),\n
getGroupedRowModel: () => {\n      if (!table._getGroupedRowModel && table.options.getGroupedRowModel)
{\n        table._getGroupedRowModel = table.options.getGroupedRowModel(table);\n      }\n      if
(table.options.manualGrouping || !table._getGroupedRowModel) {\n        return
table.getPreGroupedRowModel();\n      }\n      return table._getGroupedRowModel();\n    };\n  },\n
createRow: row => {\n    return {\n      getIsGrouped: () => !!row.groupingColumnId,\n      _groupingValuesCache:
{};\n    };\n  },\n  createCell: (cell, column, row, table) => {\n    return {\n      getIsGrouped: () =>
column.getIsGrouped() && column.id === row.groupingColumnId,\n      getIsPlaceholder: () =>
!cell.getIsGrouped() && !cell.getIsPlaceholder() && !((_row$subRows = row.subRows) != null &&
_row$subRows.length);\n    };\n  },\n  orderColumns(leafColumns, grouping,
groupedColumnMode) {\n    if (!(grouping != null && grouping.length) || !groupedColumnMode) {\n      return
leafColumns;\n    }\n    const nonGroupingColumns = leafColumns.filter(col => !grouping.includes(col.id));\n    if
(groupedColumnMode === 'remove') {\n      return nonGroupingColumns;\n    }\n    const groupingColumns =
grouping.map(g => leafColumns.find(col => col.id === g)).filter(Boolean);\n    return [...groupingColumns,
...nonGroupingColumns];\n  }\n  /\n  const Ordering = {\n    getInitialState: state => {\n      return {\n        columnOrder:
[],\n        ...state\n      };\n    },\n    getDefaultOptions: table => {\n      return {\n        onColumnOrderChange:
makeStateUpdater('columnOrder', table)\n      };\n    },\n    createTable: table => {\n      return {\n        setColumnOrder:
updater => table.options.onColumnOrderChange == null ? void 0 : table.options.onColumnOrderChange(updater),\n
        resetColumnOrder: defaultState => {\n          table.setColumnOrder(defaultState ? [] :
table.initialState.columnOrder ?? []);\n        },\n        _getOrderColumnsFn: memo(() => [table.getState().columnOrder,
table.getState().grouping, table.options.groupedColumnMode], (columnOrder, grouping, groupedColumnMode) =>
columns => {\n          // Sort grouped columns to the start of the column list\n          // before the headers are built\n
let orderedColumns = []; // If there is no order, return the normal columns\n          if (!(columnOrder != null &&
columnOrder.length)) {\n            orderedColumns = columns;\n          } else {\n            const columnOrderCopy =
[...columnOrder]; // If there is an order, make a copy of the columns\n            const columnsCopy = [...columns]; //
And make a new ordered array of the columns\n            // Loop over the columns and place them in order into the new
array\n            while (columnsCopy.length && columnOrderCopy.length) {\n              const targetColumnId =
columnOrderCopy.shift();\n              const foundIndex = columnsCopy.findIndex(d => d.id === targetColumnId);\n
              if (foundIndex > -1) {\n                orderedColumns.push(columnsCopy.splice(foundIndex, 1)[0]);\n              }\n
            } // If there are any columns left, add them to the end\n            orderedColumns = [...orderedColumns,
...columnsCopy];\n          }\n          return orderColumns(orderedColumns, grouping, groupedColumnMode);\n        },\n
        key: process.env.NODE_ENV === 'development' && 'getOrderColumnsFn' // debug: () =>
table.options.debugAll ?? table.options.debugTable,\n      };\n    };\n  }\n  /\n  const defaultPageIndex =

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0;\nconst defaultPageSize = 10;\n\nconst getDefaultPaginationState = () => ({\n  pageIndex: defaultPageIndex,\n  pageSize: defaultPageSize\n});\n\nconst Pagination = {\n  getInitialState: state => {\n    return { ...state,\n      pagination: { ...getDefaultPaginationState(),\n        ...(state === null ? void 0 : state.pagination)\n      }\n    };\n  },\n  getDefaultOptions: table => {\n    return {\n      onPaginationChange: makeStateUpdater('pagination', table)\n    };\n  },\n  createTable: table => {\n    let registered = false;\n    let queued = false;\n    return {\n      _autoResetPageIndex:\n    };\n  },\n  if (!registered) {\n    table._queue(() => {\n      registered = true;\n    });\n\n    return;\n  }\n\n  if (table.options.autoResetAll ?? table.options.autoResetPageIndex ?? !table.options.manualPagination)\n  {\n    if (queued) return;\n    queued = true;\n\n    table._queue(() => {\n      table.resetPageIndex();\n      queued = false;\n    });\n  }\n\n  },\n  setPagination: updater => {\n    const safeUpdater = old => {\n      let newState = functionalUpdate(updater, old);\n      return newState;\n    };\n\n    return\n    table.options.onPaginationChange === null ? void 0 : table.options.onPaginationChange(safeUpdater);\n  },\n  resetPagination: defaultState => {\n    table.setPagination(defaultState ? getDefaultPaginationState() :\n    table.initialState.pagination ?? getDefaultPaginationState());\n  },\n  setPageIndex: updater => {\n    table.setPagination(old => {\n      let pageIndex = functionalUpdate(updater, old.pageIndex);\n      const\n      maxPageIndex = typeof table.options.pageCount === 'undefined' || table.options.pageCount === -1 ?\n      Number.MAX_SAFE_INTEGER : table.options.pageCount - 1;\n      pageIndex = Math.min(Math.max(0,\n      pageIndex), maxPageIndex);\n      return { ...old,\n        pageIndex\n      };\n    });\n  },\n  resetPageIndex: defaultState => {\n    var _table$initialState, _table$initialState$; \n    table.setPageIndex(defaultState ? defaultPageIndex : ((_table$initialState = table.initialState) === null ? void 0 :\n    (_table$initialState$ = _table$initialState.pagination) === null ? void 0 : _table$initialState$.pageIndex) ??\n    defaultPageIndex);\n  },\n  resetPageSize: defaultState => {\n    var _table$initialState2,\n    _table$initialState2$; \n    table.setPageSize(defaultState ? defaultPageSize : ((_table$initialState2 =\n    table.initialState) === null ? void 0 : (_table$initialState2$ = _table$initialState2.pagination) === null ? void 0 :\n    _table$initialState2$.pageSize) ?? defaultPageSize);\n  },\n  setPageSize: updater => {\n    table.setPagination(old => {\n      const pageSize = Math.max(1, functionalUpdate(updater, old.pageSize));\n      const topRowIndex = old.pageSize * old.pageIndex;\n      const pageIndex = Math.floor(topRowIndex /\n      pageSize);\n      return { ...old,\n        pageIndex,\n        pageSize\n      };\n    });\n  },\n  setPageCount: updater => table.setPagination(old => {\n    let newPageCount = functionalUpdate(updater,\n    table.options.pageCount ?? -1);\n\n    if (typeof newPageCount === 'number') {\n      newPageCount =\n      Math.max(-1, newPageCount);\n    }\n\n    return { ...old,\n      pageCount: newPageCount\n    };\n  });\n\n  getPageOptions: memo(() => [table.getPageCount()], pageCount => {\n    let pageOptions = [];\n\n    if\n    (pageCount && pageCount > 0) {\n      pageOptions = [...new Array(pageCount)].fill(null).map((_, i) => i);\n    }\n\n    return pageOptions;\n  }, {\n    key: process.env.NODE_ENV === 'development' &&\n    'getPageOptions',\n    debug: () => table.options.debugAll ?? table.options.debugTable\n  });\n\n  getCanPreviousPage: () => table.getState().pagination.pageIndex > 0,\n  getCanNextPage: () => {\n    const {\n      pageIndex\n    } = table.getState().pagination;\n    const pageCount = table.getPageCount();\n\n    if\n    (pageCount === -1) {\n      return true;\n    }\n\n    if (pageCount === 0) {\n      return false;\n    }\n\n    return pageIndex < pageCount - 1;\n  },\n  previousPage: () => {\n    return table.setPageIndex(old => old -\n    1);\n  },\n  nextPage: () => {\n    return table.setPageIndex(old => {\n      return old + 1;\n    });\n  },\n  getPrePaginationRowModel: () => table.getExpandedRowModel(),\n  getPaginationRowModel: () => {\n    if\n    (!table._getPaginationRowModel && table.options.getPaginationRowModel) {\n      table._getPaginationRowModel = table.options.getPaginationRowModel(table);\n    }\n\n    if\n    (table.options.manualPagination || !table._getPaginationRowModel) {\n      return\n      table.getPrePaginationRowModel();\n    }\n\n    return table._getPaginationRowModel();\n  },\n  getPageCount: () => {\n    return table.options.pageCount ??\n    Math.ceil(table.getPrePaginationRowModel().rows.length / table.getState().pagination.pageSize);\n  }\n};\n\n\nconst getDefaultPinningState = () => ({\n  left: [],\n  right: []\n});\n\nconst Pinning = {\n  getInitialState:\n  state => {\n    return {\n      columnPinning: getDefaultPinningState(),\n      ...state\n    };\n  },\n  getDefaultOptions:

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table => {\n  return {\n    onColumnPinningChange: makeStateUpdater('columnPinning', table)\n  }; \n }, \n
createColumn: (column, table) => {\n  return {\n    pin: position => {\n      const columnIds =
column.getLeafColumns().map(d => d.id).filter(Boolean); \n      table.setColumnPinning(old => {\n        if
(position === 'right') {\n          return {\n            left: ((old == null ? void 0 : old.left) ?? []).filter(d => !(columnIds
!= null && columnIds.includes(d))), \n            right: [...((old == null ? void 0 : old.right) ?? []).filter(d =>
!(columnIds != null && columnIds.includes(d))), ...columnIds] \n          }; \n        } \n      } \n      if (position === 'left')
{\n        return {\n          left: [...((old == null ? void 0 : old.left) ?? []).filter(d => !(columnIds != null &&
columnIds.includes(d))), ...columnIds], \n          right: ((old == null ? void 0 : old.right) ?? []).filter(d =>
!(columnIds != null && columnIds.includes(d))) \n        }; \n      } \n      return {\n        left: ((old == null ?
void 0 : old.left) ?? []).filter(d => !(columnIds != null && columnIds.includes(d))), \n        right: ((old == null ?
void 0 : old.right) ?? []).filter(d => !(columnIds != null && columnIds.includes(d))) \n      }; \n    }; \n }, \n
getCanPin: () => {\n  const leafColumns = column.getLeafColumns(); \n  return leafColumns.some(d =>
(d.columnDef.enablePinning ?? true) && (table.options.enablePinning ?? true)); \n }, \n  getIsPinned: () => {\n
  const leafColumnIds = column.getLeafColumns().map(d => d.id); \n  const {\n    left, \n    right \n  }
= table.getState().columnPinning; \n  const isLeft = leafColumnIds.some(d => left == null ? void 0 :
left.includes(d)); \n  const isRight = leafColumnIds.some(d => right == null ? void 0 : right.includes(d)); \n
return isLeft ? 'left' : isRight ? 'right' : false; \n }, \n  getPinnedIndex: () => {\n    var _table$getState$column,
_table$getState$column2; \n    const position = column.getIsPinned(); \n    return position ?
((_table$getState$column = table.getState().columnPinning) == null ? void 0 : (_table$getState$column2 =
_table$getState$column[position]) == null ? void 0 : _table$getState$column2.indexOf(column.id) ?? -1 : 0); \n  } \n
}; \n }, \n  createRow: (row, table) => {\n  return {\n    getCenterVisibleCells: memo(() =>
[row._getAllVisibleCells(), table.getState().columnPinning.left, table.getState().columnPinning.right], (allCells, left,
right) => {\n      const leftAndRight = [...(left ?? []), ...(right ?? [])]; \n      return allCells.filter(d =>
!leftAndRight.includes(d.column.id)); \n    }, {\n      key: process.env.NODE_ENV === 'production' &&
'row.getCenterVisibleCells', \n      debug: () => table.options.debugAll ?? table.options.debugRows \n    }), \n
getLeftVisibleCells: memo(() => [row._getAllVisibleCells(), table.getState().columnPinning.left,], (allCells, left)
=> {\n      const cells = (left ?? []).map(columnId => allCells.find(cell => cell.column.id ===
columnId)).filter(Boolean).map(d => ({ ...d, \n        position: 'left' \n      })); \n      return cells; \n    }, {\n      key:
process.env.NODE_ENV === 'production' && 'row.getLeftVisibleCells', \n      debug: () => table.options.debugAll
?? table.options.debugRows \n    }), \n    getRightVisibleCells: memo(() => [row._getAllVisibleCells(),
table.getState().columnPinning.right], (allCells, right) => {\n      const cells = (right ?? []).map(columnId =>
allCells.find(cell => cell.column.id === columnId)).filter(Boolean).map(d => ({ ...d, \n        position: 'right' \n
})); \n      return cells; \n    }, {\n      key: process.env.NODE_ENV === 'production' &&
'row.getRightVisibleCells', \n      debug: () => table.options.debugAll ?? table.options.debugRows \n    }) \n
}; \n }, \n  createTable: table => {\n  return {\n    setColumnPinning: updater =>
table.options.onColumnPinningChange == null ? void 0 : table.options.onColumnPinningChange(updater), \n
resetColumnPinning: defaultState => {\n    var _table$initialState; \n    return
table.setColumnPinning(defaultState ? getDefaultPinningState() : ((_table$initialState = table.initialState) == null ?
void 0 : _table$initialState.columnPinning) ?? getDefaultPinningState()); \n  }, \n  getIsSomeColumnsPinned:
position => {\n    var _pinningState$positio; \n    const pinningState = table.getState().columnPinning; \n
if (!position) {\n      var _pinningState$left, _pinningState$right; \n      return Boolean(((_pinningState$left =
pinningState.left) == null ? void 0 : _pinningState$left.length) || ((_pinningState$right = pinningState.right) == null
? void 0 : _pinningState$right.length)); \n    } \n    return Boolean((_pinningState$positio =
pinningState[position]) == null ? void 0 : _pinningState$positio.length); \n  }, \n  getLeftLeafColumns: memo(()
=> [table.getAllLeafColumns(), table.getState().columnPinning.left], (allColumns, left) => {\n    return (left ??
[]).map(columnId => allColumns.find(column => column.id === columnId)).filter(Boolean); \n  }, {\n    key:
process.env.NODE_ENV === 'development' && 'getLeftLeafColumns', \n    debug: () => table.options.debugAll
?? table.options.debugColumns \n  }), \n  getRightLeafColumns: memo(() => [table.getAllLeafColumns(),

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table.getState().columnPinning.right], (allColumns, right) => {\n    return (right ?? []).map(columnId =>
allColumns.find(column => column.id === columnId)).filter(Boolean);\n  }, {\n    key:
process.env.NODE_ENV === 'development' && 'getRightLeafColumns',\n    debug: () => table.options.debugAll
?? table.options.debugColumns\n  }),\n  getCenterLeafColumns: memo(() => [table.getAllLeafColumns(),
table.getState().columnPinning.left, table.getState().columnPinning.right], (allColumns, left, right) => {\n    const
leftAndRight = [...(left ?? []), ...(right ?? [])];\n    return allColumns.filter(d => !leftAndRight.includes(d.id));\n
  }, {\n    key: process.env.NODE_ENV === 'development' && 'getCenterLeafColumns',\n    debug: () =>
table.options.debugAll ?? table.options.debugColumns\n  })\n  };\n  }\n\n/>\nconst RowSelection = {\n
getInitialState: state => {\n  return {\n    rowSelection: {},\n    ...state\n  };,\n  getDefaultOptions: table =>
{\n  return {\n    onRowSelectionChange: makeStateUpdater('rowSelection', table),\n    enableRowSelection:
true,\n    enableMultiRowSelection: true,\n    enableSubRowSelection: true // enableGroupingRowSelection:
false,\n    // isAdditiveSelectEvent: (e: unknown) => !!e.metaKey,\n    // isInclusiveSelectEvent: (e: unknown) =>
!!e.shiftKey,\n  };,\n  createTable: table => {\n  return {\n    setRowSelection: updater =>
table.options.onRowSelectionChange == null ? void 0 : table.options.onRowSelectionChange(updater),\n
resetRowSelection: defaultState => table.setRowSelection(defaultState ? {} : table.initialState.rowSelection ??
{}),\n  toggleAllRowsSelected: value => {\n    table.setRowSelection(old => {\n      value = typeof value !==
'undefined' ? value : !table.getIsAllRowsSelected();\n      const rowSelection = { ...old\n    };,\n    const
preGroupedFlatRows = table.getPreGroupedRowModel().flatRows; // We don't use `mutateRowIsSelected` here for
performance reasons.\n    // All of the rows are flat already, so it wouldn't be worth it\n\n    if (value) {\n
preGroupedFlatRows.forEach(row => {\n      if (!row.getCanSelect()) {\n        return;\n      }\n      rowSelection[row.id] = true;\n    });\n    } else {\n      preGroupedFlatRows.forEach(row => {\n
delete rowSelection[row.id];\n    });\n    }\n\n    return rowSelection;\n  });,\n  toggleAllPageRowsSelected: value => table.setRowSelection(old => {\n    const resolvedValue = typeof value
!== 'undefined' ? value : !table.getIsAllPageRowsSelected();\n    const rowSelection = { ...old\n  };,\n
table.getRowModel().rows.forEach(row => {\n    mutateRowIsSelected(rowSelection, row.id, resolvedValue,
table);\n  });\n  return rowSelection;\n  });,\n  // addRowSelectionRange: rowId => {\n  // const {\n
// rows,\n  // rowsById,\n  // options: { selectGroupingRows, selectSubRows },\n  // } = table\n  //
const findSelectedRow = (rows: Row[]) => {\n  // let found\n  // rows.find(d => {\n  // if
(d.getIsSelected()) {\n  // found = d\n  // return true\n  // }\n  // const subFound =
findSelectedRow(d.subRows || [])\n  // if (subFound) {\n  // found = subFound\n  // return
true\n  // }\n  // return false\n  // })\n  // return found\n  // }\n  // const firstRow =
findSelectedRow(rows) || rows[0]\n  // const lastRow = rowsById[rowId]\n  // let include = false\n  //
const selectedRowIds = {}\n  // const addRow = (row: Row) => {\n  //
mutateRowIsSelected(selectedRowIds, row.id, true, {\n  // rowsById,\n  // selectGroupingRows:
selectGroupingRows!,\n  // selectSubRows: selectSubRows!,\n  // })\n  // }\n  //
table.rows.forEach(row => {\n  // const isFirstRow = row.id === firstRow.id\n  // const isLastRow =
row.id === lastRow.id\n  // if (isFirstRow || isLastRow) {\n  // if (!include) {\n  // include = true\n
// } else if (include) {\n  // addRow(row)\n  // include = false\n  // }\n  // }\n  // if
(include) {\n  // addRow(row)\n  // }\n  // })\n  // table.setRowSelection(selectedRowIds)\n  //
},\n  getPreSelectedRowModel: () => table.getCoreRowModel(),\n  getSelectedRowModel: memo(() =>
[table.getState().rowSelection, table.getCoreRowModel()], (rowSelection, rowModel) => {\n    if
(!Object.keys(rowSelection).length) {\n      return {\n        rows: [],\n        flatRows: [],\n        rowsById:
{};\n      };\n    }\n\n    return selectRowsFn(table, rowModel);\n  }, {\n    key: process.env.NODE_ENV
=== 'development' && 'getSelectedRowModel',\n    debug: () => table.options.debugAll ??
table.options.debugTable\n  }),\n  getFilteredSelectedRowModel: memo(() => [table.getState().rowSelection,
table.getFilteredRowModel()], (rowSelection, rowModel) => {\n    if (!Object.keys(rowSelection).length) {\n
return {\n      rows: [],\n      flatRows: [],\n      rowsById: {}\n    };\n    }\n\n    return
selectRowsFn(table, rowModel);\n  }, {\n    key: process.env.NODE_ENV === 'production' &&

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'getFilteredSelectedRowModel',\n    debug: () => table.options.debugAll ?? table.options.debugTable\n    ),\n  getGroupedSelectedRowModel: memo(() => [table.getState().rowSelection, table.getSortedRowModel()],\n    (rowSelection, rowModel) => {\n      if (!Object.keys(rowSelection).length) {\n        return {\n          rows: [],\n          flatRows: [],\n          rowsById: {}\n        };\n      }\n      return selectRowsFn(table, rowModel);\n    },\n    {\n      key: process.env.NODE_ENV === 'production' && 'getGroupedSelectedRowModel',\n      debug: () => table.options.debugAll ?? table.options.debugTable\n    },\n    //\n    // getGroupingRowCanSelect: rowId =>\n    {\n      // const row = table.getRow(rowId)\n      // if (!row) {\n      //   throw new Error()\n      // }\n      // if\n      (typeof table.options.enableGroupingRowSelection === 'function') {\n      //   return\n      table.options.enableGroupingRowSelection(row)\n      // }\n      // return\n      table.options.enableGroupingRowSelection ?? false\n    },\n    getIsAllRowsSelected: () => {\n      const\n      preGroupedFlatRows = table.getFilteredRowModel().flatRows;\n      const {\n        rowSelection\n      } =\n      table.getState();\n      let isAllRowsSelected = Boolean(preGroupedFlatRows.length &&\n      Object.keys(rowSelection).length);\n      if (isAllRowsSelected) {\n        if (preGroupedFlatRows.some(row =>\n        row.getCanSelect() && !rowSelection[row.id])) {\n          isAllRowsSelected = false;\n        }\n      }\n      return isAllRowsSelected;\n    },\n    getIsAllPageRowsSelected: () => {\n      const paginationFlatRows =\n      table.getPaginationRowModel().flatRows;\n      const {\n        rowSelection\n      } = table.getState();\n      let\n      isAllPageRowsSelected = !paginationFlatRows.length;\n      if (isAllPageRowsSelected &&\n      paginationFlatRows.some(row => !rowSelection[row.id])) {\n        isAllPageRowsSelected = false;\n      }\n      return isAllPageRowsSelected;\n    },\n    getIsSomeRowsSelected: () => {\n      const totalSelected =\n      Object.keys(table.getState().rowSelection ?? {}).length;\n      return totalSelected > 0 && totalSelected <\n      table.getFilteredRowModel().flatRows.length;\n    },\n    getIsSomePageRowsSelected: () => {\n      const\n      paginationFlatRows = table.getPaginationRowModel().flatRows;\n      return table.getIsAllPageRowsSelected() ?\n      false : paginationFlatRows.some(d => d.getIsSelected() || d.getIsSomeSelected());\n    },\n    getToggleAllRowsSelectedHandler: () => {\n      return e => {\n        table.toggleAllRowsSelected(e.target.checked);\n      };\n    },\n    getToggleAllPageRowsSelectedHandler: () => {\n      return e => {\n        table.toggleAllPageRowsSelected(e.target.checked);\n      };\n    },\n    createRow: (row, table) => {\n      return {\n        toggleSelected: value => {\n          const isSelected =\n          row.getIsSelected();\n          table.setRowSelection(old => {\n            value = typeof value !== 'undefined' ? value :\n            !isSelected;\n            if (isSelected === value) {\n              return old;\n            }\n            const selectedRowIds = {\n              ...old\n            };\n            mutateRowIsSelected(selectedRowIds, row.id, value, table);\n            return\n            selectedRowIds;\n          });\n        },\n        getIsSelected: () => {\n          const {\n            rowSelection\n          } =\n          table.getState();\n          return isRowSelected(row, rowSelection);\n        },\n        getIsSomeSelected: () => {\n          const {\n            rowSelection\n          } = table.getState();\n          return isSubRowSelected(row, rowSelection) ===\n          'some';\n        },\n        getIsAllSubRowsSelected: () => {\n          const {\n            rowSelection\n          } =\n          table.getState();\n          return isSubRowSelected(row, rowSelection) === 'all';\n        },\n        getCanSelect: () => {\n          if (typeof table.options.enableRowSelection === 'function') {\n            return\n            table.options.enableRowSelection(row);\n          }\n          return table.options.enableRowSelection ?? true;\n        },\n        getCanSelectSubRows: () => {\n          if (typeof table.options.enableSubRowSelection === 'function') {\n            return\n            table.options.enableSubRowSelection(row);\n          }\n          return table.options.enableSubRowSelection ??\n            true;\n        },\n        getCanMultiSelect: () => {\n          if (typeof table.options.enableMultiRowSelection === 'function')\n            {\n              return\n              table.options.enableMultiRowSelection(row);\n            }\n          return\n            table.options.enableMultiRowSelection ?? true;\n        },\n        getToggleSelectedHandler: () => {\n          const\n          canSelect = row.getCanSelect();\n          return e => {\n            var _target;\n            if (!canSelect) return;\n            row.toggleSelected((_target = e.target) == null ? void 0 : _target.checked);\n          };\n        },\n        mutateRowIsSelected = (selectedRowIds, id, value, table) => {\n          var _row$subRows;\n          const row =\n          table.getRow(id); // const isGrouped = row.getIsGrouped()\n          // if ( // TODO: enforce grouping row selection rules\n          //   !isGrouped ||\n          //   (isGrouped && table.options.enableGroupingRowSelection)\n          // ) {\n          if (value) {\n            if\n            (!row.getCanMultiSelect()) {\n              Object.keys(selectedRowIds).forEach(key => delete selectedRowIds[key]);\n            }\n          }\n        }\n      }\n    }\n  }\n}

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}\n\n if (row.getCanSelect()) {\n  selectedRowIds[id] = true;\n } else {\n  delete selectedRowIds[id];\n }
// }\n\n\n if ((_row$subRows = row.subRows) != null && _row$subRows.length && row.getCanSelectSubRows())
{\n  row.subRows.forEach(row => mutateRowIsSelected(selectedRowIds, row.id, value, table));\n
}\n};\n\nfunction selectRowsFn(table, rowModel) {\n  const rowSelection = table.getState().rowSelection;\n  const
newSelectedFlatRows = [];\n  const newSelectedRowsById = {}; // Filters top level and nested rows\n\n  const
recurseRows = function (rows, depth) {\n\n    return rows.map(row => {\n      var _row$subRows2;\n\n      const
isSelected = isRowSelected(row, rowSelection);\n\n      if (isSelected) {\n        newSelectedFlatRows.push(row);\n
        newSelectedRowsById[row.id] = row;\n      }\n\n      if ((_row$subRows2 = row.subRows) != null &&
_row$subRows2.length) {\n        row = { ...row,\n          subRows: recurseRows(row.subRows)\n        };\n      }\n\n      if (isSelected) {\n        return row;\n      }\n    }).filter(Boolean);\n  };\n\n  return {\n    rows:
recurseRows(rowModel.rows),\n    flatRows: newSelectedFlatRows,\n    rowsById: newSelectedRowsById\n
};\n}\n\nfunction isRowSelected(row, selection) {\n  return selection[row.id] ?? false;\n}\n\nfunction
isSubRowSelected(row, selection, table) {\n  if (row.subRows && row.subRows.length) {\n    let
allChildrenSelected = true;\n    let someSelected = false;\n    row.subRows.forEach(subRow => {\n      // Bail out
early if we know both of these\n      if (someSelected && !allChildrenSelected) {\n        return;\n      }\n\n      if
(isRowSelected(subRow, selection)) {\n        someSelected = true;\n      } else {\n        allChildrenSelected = false;\n
      }\n    });\n    return allChildrenSelected ? 'all' : someSelected ? 'some' : false;\n  }\n\n  return false;\n}\n\nconst
reSplitAlphaNumeric = /([0-9]+)/gm;\n\nconst alphanumeric = (rowA, rowB, columnId) => {\n  return
compareAlphanumeric(toString(rowA.getValue(columnId)).toLowerCase(),
toString(rowB.getValue(columnId)).toLowerCase());\n};\n\nconst alphanumericCaseSensitive = (rowA, rowB,
columnId) => {\n  return compareAlphanumeric(toString(rowA.getValue(columnId)),
toString(rowB.getValue(columnId)));;\n}; // The text filter is more basic (less numeric support)\n// but is much
faster\n\nconst text = (rowA, rowB, columnId) => {\n  return
compareBasic(toString(rowA.getValue(columnId)).toLowerCase(),
toString(rowB.getValue(columnId)).toLowerCase());\n}; // The text filter is more basic (less numeric support)\n//
but is much faster\n\nconst textCaseSensitive = (rowA, rowB, columnId) => {\n  return
compareBasic(toString(rowA.getValue(columnId)), toString(rowB.getValue(columnId)));;\n};\n\nconst datetime =
(rowA, rowB, columnId) => {\n  const a = rowA.getValue(columnId);\n  const b = rowB.getValue(columnId); //
Can handle nullish values\n  // Use > and < because === (and ===) doesn't work with\n  // Date objects (would
require calling getTime()).\n\n  return a > b ? 1 : a < b ? -1 : 0;\n};\n\nconst basic = (rowA, rowB, columnId) => {\n
return compareBasic(rowA.getValue(columnId), rowB.getValue(columnId));\n}; // Utils\n\nfunction
compareBasic(a, b) {\n  return a === b ? 0 : a > b ? 1 : -1;\n}\n\nfunction toString(a) {\n  if (typeof a === 'number')
{\n    if (isNaN(a) || a === Infinity || a === -Infinity) {\n      return '';\n    }\n    return String(a);\n  }\n\n  if (typeof a
=== 'string') {\n    return a;\n  }\n\n  return '';\n} // Mixed sorting is slow, but very inclusive of many edge cases.\n//
It handles numbers, mixed alphanumeric combinations, and even\n// null, undefined, and Infinity\n\nfunction
compareAlphanumeric(aStr, bStr) {\n  // Split on number groups, but keep the delimiter\n  // Then remove falsey
split values\n  const a = aStr.split(reSplitAlphaNumeric).filter(Boolean);\n  const b =
bStr.split(reSplitAlphaNumeric).filter(Boolean); // While\n\n  while (a.length && b.length) {\n    const aa =
a.shift();\n    const bb = b.shift();\n    const an = parseInt(aa, 10);\n    const bn = parseInt(bb, 10);\n    const combo =
[an, bn].sort(); // Both are string\n\n    if (isNaN(combo[0])) {\n      if (aa > bb) {\n        return 1;\n      }\n\n      if (bb
> aa) {\n        return -1;\n      }\n\n      continue;\n    } // One is a string, one is a number\n\n\n    if (isNaN(combo[1]))
{\n      return isNaN(an) ? -1 : 1;\n    } // Both are numbers\n\n\n    if (an > bn) {\n      return 1;\n    }\n\n    if (bn >
an) {\n      return -1;\n    }\n\n    return a.length - b.length;\n  } // Exports\n\nconst sortingFns = {\n
alphanumeric,\n  alphanumericCaseSensitive,\n  text,\n  textCaseSensitive,\n  datetime,\n  basic\n};\n\nconst
Sorting = {\n  getInitialState: state => {\n    return {\n      sorting: [],\n      ...state\n    };\n  },\n  get
DefaultColumnDef: () => {\n    return {\n      sortingFn: 'auto'\n    };\n  },\n  getDefaultOptions: table => {\n
return {\n    onSortingChange: makeStateUpdater('sorting', table),\n    isMultiSortEvent: e => {\n      return
e.shiftKey;\n    }\n  };\n},\n  createColumn: (column, table) => {\n    return {\n      getAutoSortingFn: () => {\n

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const firstRows = table.getFilteredRowModel().flatRows.slice(10);\n    let isString = false;\n\n    for (const
row of firstRows) {\n        const value = row == null ? void 0 : row.getValue(column.id);\n\n        if
(Object.prototype.toString.call(value) === '[object Date]') {\n            return sortingFns.datetime;\n        }\n\n
if (typeof value === 'string') {\n            isString = true;\n\n            if (value.split(reSplitAlphaNumeric).length > 1)
{\n                return sortingFns.alphanumeric;\n            }\n        }\n\n        if (isString) {\n            return
sortingFns.text;\n        }\n\n        return sortingFns.basic;\n    },\n    getAutoSortDir: () => {\n        const firstRow =
table.getFilteredRowModel().flatRows[0];\n        const value = firstRow == null ? void 0 :
firstRow.getValue(column.id);\n\n        if (typeof value === 'string') {\n            return 'asc';\n        }\n\n        return
'desc';\n    },\n    getSortingFn: () => {\n        var _table$options$sortin;\n\n        if (!column) {\n            throw new
Error();\n        }\n\n        return isFunction(column.columnDef.sortingFn) ? column.columnDef.sortingFn :
column.columnDef.sortingFn === 'auto' ? column.getAutoSortingFn() : ((_table$options$sortin =
table.options.sortingFns) == null ? void 0 : _table$options$sortin[column.columnDef.sortingFn]) ??
sortingFns[column.columnDef.sortingFn];\n    },\n    toggleSorting: (desc, multi) => {\n        // if
(column.columns.length) {\n            // column.columns.forEach((c, i) => {\n                // if (c.id) {\n                    //
table.toggleColumnSorting(c.id, undefined, multi || !!i)\n                // }\n            // })\n            // return\n        // }\n        //
this needs to be outside of table.setSorting to be in sync with rerender\n        const nextSortingOrder =
column.getNextSortingOrder();\n        const hasManualValue = typeof desc !== 'undefined' && desc !== null;\n
table.setSorting(old => {\n            // Find any existing sorting for this column\n            const existingSorting = old ==
null ? void 0 : old.find(d => d.id === column.id);\n            const existingIndex = old == null ? void 0 :
old.findIndex(d => d.id === column.id);\n            let newSorting = [];\n            // What should we do with this sort action?\n\n            let sortAction;\n            let nextDesc = hasManualValue ? desc : nextSortingOrder === 'desc';\n            // Multi-mode\n\n            if (old != null && old.length && column.getCanMultiSort() && multi) {\n                if (existingSorting) {\n
sortAction = 'toggle';\n                } else {\n                    sortAction = 'add';\n                }\n            } else {\n                // Normal
mode\n                if (old != null && old.length && existingIndex !== old.length - 1) {\n                    sortAction =
'replace';\n                } else if (existingSorting) {\n                    sortAction = 'toggle';\n                } else {\n                    sortAction
= 'replace';\n                }\n            } // Handle toggle states that will remove the sorting\n\n            if (sortAction ===
'toggle') {\n                // If we are \"actually\" toggling (not a manual set value), should we remove the sorting?\n                if (!hasManualValue) {\n                    // Is our intention to remove?\n                    if (!nextSortingOrder) {\n
sortAction = 'remove';\n                    }\n                }\n            }\n\n            if (sortAction === 'add') {\n                newSorting =
[...old, {\n                    id: column.id,\n                    desc: nextDesc\n                }];\n            } // Take latest n columns\n\n            newSorting.splice(0, newSorting.length - (table.options.maxMultiSortColCount ??
Number.MAX_SAFE_INTEGER));\n        } else if (sortAction === 'toggle') {\n            // This flips (or sets) the\n
newSorting = old.map(d => {\n                if (d.id === column.id) {\n                    return { ...d,\n                        desc:
nextDesc\n                    };\n                }\n            });\n        } else if (sortAction === 'remove') {\n            newSorting = old.filter(d => d.id !== column.id);\n        } else {\n            newSorting = [{\n                id:
column.id,\n                desc: nextDesc\n            }];\n        }\n\n        return newSorting;\n    });\n    },\n    getFirstSortDir: () => {\n        const sortDescFirst = column.columnDef.sortDescFirst ?? table.options.sortDescFirst
?? column.getAutoSortDir() === 'desc';\n        return sortDescFirst ? 'desc' : 'asc';\n    },\n    getNextSortingOrder:
multi => {\n        const firstSortDirection = column.getFirstSortDir();\n        const isSorted =
column.getIsSorted();\n\n        if (!isSorted) {\n            return firstSortDirection;\n        }\n\n        if (isSorted !==
firstSortDirection && (table.options.enableSortingRemoval ?? true) && (// If enableSortRemove, enable in
general\n            multi ? table.options.enableMultiRemove ?? true : true) // If multi, don't allow if
enableMultiRemove))\n        ) {\n            return false;\n        }\n\n        return isSorted === 'desc' ? 'asc' : 'desc';\n    },\n    getCanSort: () => {\n        return (column.columnDef.enableSorting ?? true) && (table.options.enableSorting
?? true) && !!column.accessorFn;\n    },\n    getCanMultiSort: () => {\n        return
column.columnDef.enableMultiSort ?? table.options.enableMultiSort ?? !!column.accessorFn;\n    },\n    getIsSorted: () => {\n        var _table$getState$sorti;\n\n        const columnSort = (_table$getState$sorti =
table.getState().sorting) == null ? void 0 : _table$getState$sorti.find(d => d.id === column.id);\n        return

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!columnSort ? false : columnSort.desc ? 'desc' : 'asc';\n    },\n    getSortIndex: () => {\n        var
_table$getState$sorti2;\n\n        return ((_table$getState$sorti2 = table.getState().sorting) == null ? void 0 :
_table$getState$sorti2.findIndex(d => d.id === column.id)) ?? -1;\n    },\n    clearSorting: () => {\n        //clear
sorting for just 1 column\n        table.setSorting(old => old != null && old.length ? old.filter(d => d.id !==
column.id) : []);\n    },\n    getToggleSortingHandler: () => {\n        const canSort = column.getCanSort();\n        return e => {\n            if (!canSort) return;\n            e.persist == null ? void 0 : e.persist();\n            column.toggleSorting
== null ? void 0 : column.toggleSorting(undefined, column.getCanMultiSort() ? table.options.isMultiSortEvent ==
null ? void 0 : table.options.isMultiSortEvent(e) : false);\n        };\n    },\n    createTable: table => {\n        return {\n            setSorting: updater => table.options.onSortingChange == null ? void 0 :
table.options.onSortingChange(updater),\n            resetSorting: defaultState => {\n                var _table$initialState;\n                table.setSorting(defaultState ? [] : ((_table$initialState = table.initialState) == null ? void 0 :
_table$initialState.sorting) ?? []);\n            },\n            getPreSortedRowModel: () => table.getGroupedRowModel(),\n            getSortedRowModel: () => {\n                if (!table._getSortedRowModel && table.options.getSortedRowModel) {\n                    table._getSortedRowModel = table.options.getSortedRowModel(table);\n                }\n                if
(table.options.manualSorting || !table._getSortedRowModel) {\n                    return table.getPreSortedRowModel();\n                }\n                return table._getSortedRowModel();\n            };\n        };\n    },\n    const Visibility = {\n        getInitialState:
state => {\n            return {\n                columnVisibility: {},\n                ...state\n            },\n            getDefaultOptions: table => {\n                return
{\n                    onColumnVisibilityChange: makeStateUpdater('columnVisibility', table)\n                };\n            },\n            createColumn:
(column, table) => {\n                return {\n                    toggleVisibility: value => {\n                        if (column.getCanHide()) {\n                            table.setColumnVisibility(old => ({ ...old,\n                                [column.id]: value ?? !column.getIsVisible()\n                            }));\n                        }\n                    },\n                    getIsVisible: () => {\n                        var _table$getState$column;\n                        return ((_table$getState$column =
table.getState().columnVisibility) == null ? void 0 : _table$getState$column[column.id]) ?? true;\n                    },\n                    getCanHide: () => {\n                        return (column.columnDef.enableHiding ?? true) && (table.options.enableHiding ??
true);\n                    },\n                    getToggleVisibilityHandler: () => {\n                        return e => {\n                            column.toggleVisibility == null ?
void 0 : column.toggleVisibility(e.target.checked);\n                        };\n                    },\n                    createRow: (row, table) => {\n                        return {\n                            _getAllVisibleCells: memo(() => [row.getAllCells(), table.getState().columnVisibility], cells => {\n                                return cells.filter(cell => cell.column.getIsVisible());\n                            }, {\n                                key: process.env.NODE_ENV ===
'production' && 'row._getAllVisibleCells',\n                                debug: () => table.options.debugAll ?? table.options.debugRows\n                            })),\n                            getVisibleCells: memo(() => [row.getLeftVisibleCells(), row.getCenterVisibleCells(),
row.getRightVisibleCells()], (left, center, right) => [...left, ...center, ...right], {\n                                key: process.env.NODE_ENV
=== 'development' && 'row.getVisibleCells',\n                                debug: () => table.options.debugAll ??
table.options.debugRows\n                            }));\n                        },\n                    createTable: table => {\n                        const makeVisibleColumnsMethod =
(key, getColumns) => {\n                            return memo(() => [getColumns(), getColumns().filter(d => d.getIsVisible()).map(d
=> d.id).join('_')], columns => {\n                                return columns.filter(d => d.getIsVisible() == null ? void 0 :
d.getIsVisible());\n                            }, {\n                                key,\n                                debug: () => table.options.debugAll ?? table.options.debugColumns\n                            }));\n                        },\n                        return {\n                            getVisibleFlatColumns: makeVisibleColumnsMethod('getVisibleFlatColumns', () =>
table.getAllFlatColumns()),\n                            getVisibleLeafColumns: makeVisibleColumnsMethod('getVisibleLeafColumns', ()
=> table.getAllLeafColumns()),\n                            getLeftVisibleLeafColumns:
makeVisibleColumnsMethod('getLeftVisibleLeafColumns', () => table.getLeftLeafColumns()),\n                            getRightVisibleLeafColumns: makeVisibleColumnsMethod('getRightVisibleLeafColumns', () =>
table.getRightLeafColumns()),\n                            getCenterVisibleLeafColumns:
makeVisibleColumnsMethod('getCenterVisibleLeafColumns', () => table.getCenterLeafColumns()),\n                            setColumnVisibility: updater => table.options.onColumnVisibilityChange == null ? void 0 :
table.options.onColumnVisibilityChange(updater),\n                            resetColumnVisibility: defaultState => {\n                                table.setColumnVisibility(defaultState ? {} : table.initialState.columnVisibility ?? {});\n                            },\n                            toggleAllColumnsVisible: value => {\n                                value = value ?? !table.getIsAllColumnsVisible();\n                                table.setColumnVisibility(table.getAllLeafColumns().reduce((obj, column) => ({ ...obj,\n                                    [column.id]: !value ?
!(column.getCanHide != null && column.getCanHide()) : value\n                                })), {}));\n                            },\n

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getIsAllColumnsVisible: () => !table.getAllLeafColumns().some(column => !(column.getIsVisible != null &&
column.getIsVisible())),\n
getIsSomeColumnsVisible: () => table.getAllLeafColumns().some(column =>
column.getIsVisible == null ? void 0 : column.getIsVisible()),\n
getToggleAllColumnsVisibilityHandler: () =>
{\n
return e => {\n
var _target;\n\n
table.toggleAllColumnsVisible((_target = e.target) == null ? void
0 : _target.checked);\n
};\n
}\n
};\n
}\n
};\n
}\n
}\n\n
const features = [Headers, Visibility, Ordering, Pinning,
Filters, Sorting, Grouping, Expanding, Pagination, RowSelection, ColumnSizing]; //\n\n
function
createTable(options) {\n
if (options.debugAll || options.debugTable) {\n
console.info('Creating Table
Instance...');\n
}\n\n
let table = {\n
_features: features\n
};\n\n
const defaultOptions =
table._features.reduce((obj, feature) => {\n
return Object.assign(obj, feature.getDefaultOptions == null ? void 0 :
feature.getDefaultOptions(table));\n
}, {});\n\n
const mergeOptions = options => {\n
if
(table.options.mergeOptions) {\n
return table.options.mergeOptions(defaultOptions, options);\n
}\n\n
return {
...defaultOptions,\n
...options\n
};\n
}\n\n
const coreInitialState = {};\n
let initialState = {
...coreInitialState,\n
...(options.initialState ?? {})\n
};\n\n
table._features.forEach(feature => {\n
initialState =
(feature.getInitialState == null ? void 0 : feature.getInitialState(initialState)) ?? initialState;\n
});\n\n
const queued
= [];\n
let queuedTimeout = false;\n
const coreInstance = {\n
_features: features,\n
options: {
...defaultOptions,\n
...options\n
},\n
initialState,\n
_queue: cb => {\n
queued.push(cb);\n\n
if
(!queuedTimeout) {\n
queuedTimeout = true; // Schedule a microtask to run the queued callbacks after\n
//
the current call stack (render, etc) has finished.\n\n
Promise.resolve().then(() => {\n
while (queued.length)
{\n
queued.shift();\n
}\n\n
queuedTimeout = false;\n
}).catch(error => setTimeout(() => {\n
throw error;\n
}));\n
}\n
},\n
reset: () => {\n
table.setState(table.initialState);\n
},\n
setOptions: updater => {\n
const newOptions = functionalUpdate(updater, table.options);\n
table.options =
mergeOptions(newOptions);\n
},\n
getState: () => {\n
return table.options.state;\n
},\n
setState: updater
=> {\n
table.options.onStateChange == null ? void 0 : table.options.onStateChange(updater);\n
},\n
_getRowId: (row, index, parent) => (table.options.getRowId == null ? void 0 : table.options.getRowId(row, index,
parent)) ?? `${parent ? [parent.id, index].join('.') : index}`,\n
_getCoreRowModel: () => {\n
if
(!table._getCoreRowModel) {\n
table._getCoreRowModel = table.options.getCoreRowModel(table);\n
}\n\n
return table._getCoreRowModel();\n
},\n
// The final calls start at the bottom of the model,\n
// expanded
rows, which then work their way up\n
_getRowModel: () => {\n
return table.getPaginationRowModel();\n
},\n
getRow: id => {\n
const row = table.getRowModel().rowsById[id];\n\n
if (!row) {\n
if
(process.env.NODE_ENV !== 'production') {\n
throw new Error(`getRow expected an ID, but got ${id}`);\n
}\n\n
throw new Error();\n
}\n\n
return row;\n
},\n
_getDefaultColumnDef: memo(() =>
[table.options.defaultColumn], defaultColumn => {\n
defaultColumn = defaultColumn ?? {};\n
return {\n
header: props => {\n
const resolvedColumnDef = props.header.column.columnDef;\n\n
if
(resolvedColumnDef.accessorKey) {\n
return resolvedColumnDef.accessorKey;\n
}\n\n
if
(resolvedColumnDef.accessorFn) {\n
return resolvedColumnDef.id;\n
}\n\n
return null;\n
},\n
// footer: props => props.header.column.id,\n
cell: props => {\n
var _props$renderValue;\n\n
return ((_props$renderValue = props.renderValue()) == null ? void 0 : _props$renderValue.toString) == null ? void 0
: _props$renderValue.toString() ?? null;\n
},\n
...table._features.reduce((obj, feature) => {\n
return
Object.assign(obj, feature.getDefaultColumnDef == null ? void 0 : feature.getDefaultColumnDef());\n
}, {}),\n
...defaultColumn\n
};\n
}, {\n
debug: () => table.options.debugAll ?? table.options.debugColumns,\n
key: process.env.NODE_ENV === 'development' && 'getDefaultColumnDef'\n
}),\n
_getColumnDefs: () =>
table.options.columns,\n
getAllColumns: memo(() => [table._getColumnDefs()]), columnDefs => {\n
const
recurseColumns = function (columnDefs, parent, depth) {\n
if (depth === void 0) {\n
depth = 0;\n
}\n\n
return columnDefs.map(columnDef => {\n
const column = createColumn(table, columnDef, depth,
parent);\n
const groupingColumnDef = columnDef;\n
column.columns = groupingColumnDef.columns ?
recurseColumns(groupingColumnDef.columns, column, depth + 1) : [];\n
return column;\n
});\n
};\n\n
return recurseColumns(columnDefs);\n
}, {\n
key: process.env.NODE_ENV === 'development' &&
'getAllColumns',\n
debug: () => table.options.debugAll ?? table.options.debugColumns\n
}),\n

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getAllFlatColumns: memo(() => [table.getAllColumns()], allColumns => {\n  return allColumns.flatMap(column
=> {\n  return column.getFlatColumns();\n  });\n }, {\n  key: process.env.NODE_ENV === 'development'
&& 'getAllFlatColumns',\n  debug: () => table.options.debugAll ?? table.options.debugColumns\n  }),\n
_getAllFlatColumnsById: memo(() => [table.getAllFlatColumns()], flatColumns => {\n  return
flatColumns.reduce((acc, column) => {\n  acc[column.id] = column;\n  return acc;\n  }, {});\n }, {\n
key: process.env.NODE_ENV === 'development' && 'getAllFlatColumnsById',\n  debug: () =>
table.options.debugAll ?? table.options.debugColumns\n  }),\n
getAllLeafColumns: memo(() =>
[table.getAllColumns(), table._getOrderColumnsFn()], (allColumns, orderColumns) => {\n  let leafColumns =
allColumns.flatMap(column => column.getLeafColumns());\n  return orderColumns(leafColumns);\n }, {\n
key: process.env.NODE_ENV === 'development' && 'getAllLeafColumns',\n  debug: () =>
table.options.debugAll ?? table.options.debugColumns\n  }),\n
getColumn: columnName => {\n  const column =
table._getAllFlatColumnsById()[columnName];\n\n  if (!column) {\n    if (process.env.NODE_ENV !==
'production') {\n      console.warn(`[Table] Column with id ${columnName} does not exist.`);\n    }\n\n    throw
new Error();\n  }\n\n  return column;\n }\n };\n Object.assign(table, coreInstance);\n\n
table._features.forEach(feature => {\n  return Object.assign(table, feature.createTable == null ? void 0 :
feature.createTable(table));\n });\n\n return table;\n\n\nfunction createCell(table, row, column, columnName) {\n
const getRenderValue = () => cell.getValue() ?? table.options.renderFallbackValue;\n\n const cell = {\n  id:
`${row.id}_${columnName}`,\n  row,\n  column,\n  getValue: () => row.getValue(columnName),\n  renderValue:
getRenderValue,\n  getContext: memo(() => [table, column, row, cell], (table, column, row, cell) => ({\n
table,\n  column,\n  row,\n  cell: cell,\n  getValue: cell.getValue,\n  renderValue: cell.renderValue\n
})), {\n  key: process.env.NODE_ENV === 'development' && 'cell.getContext',\n  debug: () =>
table.options.debugAll\n  })\n };\n\n table._features.forEach(feature => {\n  Object.assign(cell,
feature.createCell == null ? void 0 : feature.createCell(cell, column, row, table));\n }, {});\n\n return
cell;\n\n\nconst createRow = (table, id, original, rowIndex, depth, subRows) => {\n  let row = {\n  id,\n  index:
rowIndex,\n  original,\n  depth,\n  _valuesCache: {},\n  getValue: columnName => {\n  if
(row._valuesCache.hasOwnProperty(columnName)) {\n    return row._valuesCache[columnName];\n  }\n\n  const
column = table.getColumn(columnName);\n\n  if (!column.accessorFn) {\n    return undefined;\n  }\n\n
row._valuesCache[columnName] = column.accessorFn(row.original, rowIndex);\n  return
row._valuesCache[columnName];\n },\n  renderValue: columnName => row.getValue(columnName) ??
table.options.renderFallbackValue,\n  subRows: subRows ?? [],\n  getLeafRows: () => flattenBy(row.subRows, d
=> d.subRows),\n  getAllCells: memo(() => [table.getAllLeafColumns()], leafColumns => {\n  return
leafColumns.map(column => {\n  return createCell(table, row, column, column.id);\n  });\n }, {\n  key:
process.env.NODE_ENV === 'development' && 'row.getAllCells',\n  debug: () => table.options.debugAll ??
table.options.debugRows\n  }),\n  _getAllCellsByColumnName: memo(() => [row.getAllCells()], allCells => {\n
return allCells.reduce((acc, cell) => {\n  acc[cell.column.id] = cell;\n  return acc;\n  }, {});\n }, {\n
key: process.env.NODE_ENV === 'production' && 'row.getAllCellsByColumnName',\n  debug: () =>
table.options.debugAll ?? table.options.debugRows\n  })\n };\n\n for (let i = 0; i < table._features.length; i++) {\n
const feature = table._features[i];\n  Object.assign(row, feature == null ? void 0 : feature.createRow == null ? void
0 : feature.createRow(row, table));\n }\n\n return row;\n};\n\n// type Person = {\n//  firstName: string\n//
lastName: string\n//  age: number\n//  visits: number\n//  status: string\n//  progress: number\n//  createdAt:
Date\n//  nested: {\n//    foo: [\n//      {\n//        bar: 'bar'\n//      }\n//    ]\n//    bar: { subBar: boolean }[]\n//    baz:
{\n//      foo: 'foo'\n//      bar: {\n//        baz: 'baz'\n//      }\n//    }\n//  }\n// }\n\nconst test: DeepKeys<Person> =
'nested.foo.0.bar'\nconst test2: DeepKeys<Person> = 'nested.bar'\nconst helper =
createColumnHelper<Person>()\nhelper.accessor('nested.foo', {\n  cell: info => info.getValue(),\n})\n\nhelper.accessor('nested.foo.0.bar', {\n  cell: info => info.getValue(),\n})\n\nhelper.accessor('nested.bar', {\n  cell: info => info.getValue(),\n})\n\nfunction createColumnHelper() {\n  return {\n  accessor: (accessor, column)
=> {\n  return typeof accessor === 'function' ? { ...column,\n  accessorFn: accessor\n  } : { ...column,\n
accessorKey: accessor\n  };\n },\n  display: column => column,\n  group: column => column\n
}

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};\n}\n\nfunction getCoreRowModel() {\n  return table => memo(() => [table.options.data], data => {\n    const\n    rowModel = {\n      rows: [],\n      flatRows: [],\n      rowsById: {} \n    };\n\n    const accessRows = function\n    (originalRows, depth, parent) {\n      if (depth === void 0) {\n        depth = 0;\n      }\n\n      const rows = [];\n\n      for (let i = 0; i < originalRows.length; i++) {\n        // This could be an expensive check at scale, so we should move\n        it somewhere else, but where?\n        // if (!id) {\n        //   if (process.env.NODE_ENV !== 'production') {\n        //     throw new Error(`getRowId expected an ID, but got ${id}`);\n        //   }\n        // }\n        // Make the row\n        const\n        row = createRow(table, table._getRowId(originalRows[i], i, parent), originalRows[i], i, depth); // Keep track of\n        every row in a flat array\n        rowModel.flatRows.push(row); // Also keep track of every row by its ID\n        rowModel.rowsById[row.id] = row; // Push table row into parent\n        rows.push(row); // Get the original\n        subrows\n\n        if (table.options.getSubRows) {\n          var _row$originalSubRows;\n\n          row.originalSubRows = table.options.getSubRows(originalRows[i], i); // Then recursively access them\n          if\n          ((\n            _row$originalSubRows = row.originalSubRows\n          ) != null && _row$originalSubRows.length) {\n            row.subRows = accessRows(row.originalSubRows, depth + 1, row);\n          }\n        }\n\n        return rows;\n      };\n\n      rowModel.rows = accessRows(data);\n      return rowModel;\n    }, {\n      key: process.env.NODE_ENV ===\n      'development' && 'getRowModel',\n      debug: () => table.options.debugAll ?? table.options.debugTable,\n      onChange: () => {\n        table._autoResetPageIndex();\n      }\n    });\n}\n\nfunction filterRows(rows, filterRowImpl,\n  table) {\n  if (table.options.filterFromLeafRows) {\n    return filterRowModelFromLeafs(rows, filterRowImpl,\n      table);\n  }\n\n  return filterRowModelFromRoot(rows, filterRowImpl, table);\n}\n\nfunction\n  filterRowModelFromLeafs(rowsToFilter, filterRow, table) {\n  const newFilteredFlatRows = [];\n  const\n  newFilteredRowsById = {};\n\n  const recurseFilterRows = function (rowsToFilter, depth) {\n    const rows = []; //\n    Filter from children up first\n    for (let i = 0; i < rowsToFilter.length; i++) {\n      var _row$subRows;\n\n      let\n      row = rowsToFilter[i];\n\n      if ((\n        _row$subRows = row.subRows\n      ) != null && _row$subRows.length) {\n        const\n        newRow = createRow(table, row.id, row.original, row.index, row.depth);\n        newRow.columnFilters =\n        row.columnFilters;\n        newRow.subRows = recurseFilterRows(row.subRows);\n\n        if\n        (!newRow.subRows.length) {\n          continue;\n        }\n\n        row = newRow;\n      }\n\n      if (filterRow(row))\n      {\n        rows.push(row);\n        newFilteredRowsById[row.id] = row;\n        newFilteredRowsById[i] = row;\n      }\n    }\n\n    return rows;\n  };\n\n  return {\n    rows: recurseFilterRows(rowsToFilter),\n    flatRows:\n    newFilteredFlatRows,\n    rowsById: newFilteredRowsById\n  };\n}\n\nfunction\n  filterRowModelFromRoot(rowsToFilter, filterRow, table) {\n  const newFilteredFlatRows = [];\n  const\n  newFilteredRowsById = {};\n  // Filters top level and nested rows\n\n  const recurseFilterRows = function\n  (rowsToFilter, depth) {\n    // Filter from parents downward first\n    const rows = []; // Apply the filter to any\n    subRows\n    for (let i = 0; i < rowsToFilter.length; i++) {\n      let row = rowsToFilter[i];\n      const pass =\n      filterRow(row);\n\n      if (pass) {\n        var _row$subRows2;\n\n        if ((\n          _row$subRows2 = row.subRows\n        ) != null\n        && _row$subRows2.length) {\n          const newRow = createRow(table, row.id, row.original, row.index,\n            row.depth);\n          newRow.subRows = recurseFilterRows(row.subRows);\n          row = newRow;\n        }\n\n        rows.push(row);\n        newFilteredFlatRows.push(row);\n        newFilteredRowsById[row.id] = row;\n      }\n    }\n\n    return rows;\n  };\n\n  return {\n    rows: recurseFilterRows(rowsToFilter),\n    flatRows:\n    newFilteredFlatRows,\n    rowsById: newFilteredRowsById\n  };\n}\n\nfunction getFilteredRowModel() {\n  return\n  table => memo(() => [table.getPreFilteredRowModel(), table.getState().columnFilters, table.getState().globalFilter],\n  (rowModel, columnFilters, globalFilter) => {\n    if (!rowModel.rows.length || !(columnFilters != null &&\n      columnFilters.length) && !globalFilter) {\n      for (let i = 0; i < rowModel.flatRows.length; i++) {\n        rowModel.flatRows[i].columnFilters = {};\n        rowModel.flatRows[i].columnFiltersMeta = {};\n      }\n\n      return rowModel;\n    }\n\n    const resolvedColumnFilters = [];\n    const resolvedGlobalFilters = [];\n\n    (columnFilters ?? []).forEach(d => {\n      const column = table.getColumn(d.id);\n\n      if (!column) {\n        if\n        (process.env.NODE_ENV !== 'production') {\n          console.warn(`Table: Could not find a column to filter with\n            columnId: ${d.id}`);\n        }\n\n        const filterFn = column.getFilterFn();\n\n        if (!filterFn) {\n          if\n          (process.env.NODE_ENV !== 'production') {\n            console.warn(`Could not find a valid 'column.filterFn' for\n              column with the ID: ${column.id}.`);\n          }\n\n          return;\n        }\n\n        resolvedColumnFilters.push({\n          id:

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d.id,\n    filterFn,\n    resolvedValue: (filterFn.resolveFilterValue === null ? void 0 :
filterFn.resolveFilterValue(d.value)) ?? d.value\n    });\n    });\n    const filterableIds = columnFilters.map(d =>
d.id);\n    const globalFilterFn = table.getGlobalFilterFn();\n    const globallyFilterableColumns =
table.getAllLeafColumns().filter(column => column.getCanGlobalFilter());\n    if (globalFilter && globalFilterFn
&& globallyFilterableColumns.length) {\n    filterableIds.push('__global__');\n
globallyFilterableColumns.forEach(column => {\n    resolvedGlobalFilters.push({\n    id: column.id,\n
filterFn: globalFilterFn,\n    resolvedValue: (globalFilterFn.resolveFilterValue === null ? void 0 :
globalFilterFn.resolveFilterValue(globalFilter)) ?? globalFilter\n    });\n    });\n    })\n    let
currentColumnFilter;\n    let currentGlobalFilter; // Flag the prefiltered row model with each filter state\n    for (let
j = 0; j < rowModel.flatRows.length; j++) {\n    const row = rowModel.flatRows[j];\n    row.columnFilters =
{};\n    if (resolvedColumnFilters.length) {\n    for (let i = 0; i < resolvedColumnFilters.length; i++) {\n
currentColumnFilter = resolvedColumnFilters[i];\n    const id = currentColumnFilter.id; // Tag the row with the
column filter state\n    row.columnFilters[id] = currentColumnFilter.filterFn(row, id,
currentColumnFilter.resolvedValue, filterMeta => {\n    row.columnFiltersMeta[id] = filterMeta;\n    });\n
    }\n    }\n    if (resolvedGlobalFilters.length) {\n    for (let i = 0; i < resolvedGlobalFilters.length; i++) {\n
currentGlobalFilter = resolvedGlobalFilters[i];\n    const id = currentGlobalFilter.id; // Tag the row with the
first truthy global filter state\n    if (currentGlobalFilter.filterFn(row, id, currentGlobalFilter.resolvedValue,
filterMeta => {\n    row.columnFiltersMeta[id] = filterMeta;\n    })) {\n
row.columnFilters.__global__ = true;\n    break;\n    }\n    }\n    if (row.columnFilters.__global__
!== true) {\n    row.columnFilters.__global__ = false;\n    }\n    }\n    const filterRowsImpl = row =>
{\n    // Horizontally filter rows through each column\n    for (let i = 0; i < filterableIds.length; i++) {\n    if
(row.columnFilters[filterableIds[i]] === false) {\n    return false;\n    }\n    }\n    return true;\n    }; // Filter
final rows using all of the active filters\n    return filterRows(rowModel.rows, filterRowsImpl, table);\n    }, {\n
key: process.env.NODE_ENV === 'development' && 'getFilteredRowModel',\n    debug: () =>
table.options.debugAll ?? table.options.debugTable,\n    onChange: () => {\n    table._autoResetPageIndex();\n
    }\n    });\n    }\n    function getFacetedRowModel() {\n    return (table, columnId) => memo(() =>
[table.getPreFilteredRowModel(), table.getState().columnFilters, table.getState().globalFilter,
table.getFilteredRowModel()], (preRowModel, columnFilters, globalFilter) => {\n    if (!preRowModel.rows.length
|| !(columnFilters != null && columnFilters.length) && !globalFilter) {\n    return preRowModel;\n    }\n    const
filterableIds = [...columnFilters.map(d => d.id).filter(d => d !== columnId), globalFilter ? '__global__' :
undefined].filter(Boolean);\n    const filterRowsImpl = row => {\n    // Horizontally filter rows through each
column\n    for (let i = 0; i < filterableIds.length; i++) {\n    if (row.columnFilters[filterableIds[i]] === false) {\n
return false;\n    }\n    }\n    return true;\n    }; return filterRows(preRowModel.rows,
filterRowsImpl, table);\n    }, {\n    key: process.env.NODE_ENV === 'development' && 'getFacetedRowModel_' +
columnId,\n    debug: () => table.options.debugAll ?? table.options.debugTable,\n    onChange: () => {\n
    }\n    });\n    }\n    function getFacetedUniqueValues() {\n    return (table, columnId) => memo(() =>
[table.getColumn(columnId).getFacetedRowModel()], facetedRowModel => {\n    let facetedUniqueValues = new
Map();\n    for (let i = 0; i < facetedRowModel.flatRows.length; i++) {\n    var _facetedRowModel$flat;\n    const value = (_facetedRowModel$flat = facetedRowModel.flatRows[i]) == null ? void 0 :
_facetedRowModel$flat.getValue(columnId);\n    if (facetedUniqueValues.has(value)) {\n
facetedUniqueValues.set(value, (facetedUniqueValues.get(value) ?? 0) + 1);\n    } else {\n
facetedUniqueValues.set(value, 1);\n    }\n    }\n    return facetedUniqueValues;\n    }, {\n    key:
process.env.NODE_ENV === 'development' && 'getFacetedUniqueValues_' + columnId,\n    debug: () =>
table.options.debugAll ?? table.options.debugTable,\n    onChange: () => {\n    }\n    });\n    }\n    function
getFacetedMinMaxValues() {\n    return (table, columnId) => memo(() =>
[table.getColumn(columnId).getFacetedRowModel()], facetedRowModel => {\n    var _facetedRowModel$flat;\n    const firstValue = (_facetedRowModel$flat = facetedRowModel.flatRows[0]) == null ? void 0 :
_facetedRowModel$flat.getValue(columnId);\n    if (typeof firstValue === 'undefined') {\n    return undefined;\n

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}\n\n let facetedMinMaxValues = [firstValue, firstValue];\n\n for (let i = 0; i <
facetedRowModel.flatRows.length; i++) {\n  const value =
facetedRowModel.flatRows[i].getValue(columnId);\n\n  if (value < facetedMinMaxValues[0]) {\n
facetedMinMaxValues[0] = value;\n  } else if (value > facetedMinMaxValues[1]) {\n
facetedMinMaxValues[1] = value;\n  }\n\n } return facetedMinMaxValues;\n }, {\n key:
process.env.NODE_ENV === 'development' && 'getFacetedMinMaxValues_' + columnId,\n debug: () =>
table.options.debugAll ?? table.options.debugTable,\n onChange: () => { }\n });\n\n\nfunction
getSortedRowModel() {\n return table => memo(() => [table.getState().sorting, table.getPreSortedRowModel()],
(sorting, rowModel) => {\n if (!rowModel.rows.length || !(sorting != null && sorting.length)) {\n return
rowModel;\n }\n\n const sortingState = table.getState().sorting;\n const sortedFlatRows = []; // Filter out
sortings that correspond to non existing columns\n\n const availableSorting = sortingState.filter(sort =>
table.getColumn(sort.id).getCanSort());\n const columnInfoById = {};\n availableSorting.forEach(sortEntry =>
{\n const column = table.getColumn(sortEntry.id);\n columnInfoById[sortEntry.id] = {\n sortUndefined:
column.columnDef.sortUndefined,\n invertSorting: column.columnDef.invertSorting,\n sortingFn:
column.getSortingFn()\n }; \n });\n\n const sortData = rows => {\n // This will also perform a stable sorting
using the row index\n // if needed.\n const sortedData = rows.slice();\n sortedData.sort((rowA, rowB) =>
{\n for (let i = 0; i < availableSorting.length; i += 1) {\n const sortEntry = availableSorting[i];\n
const columnInfo = columnInfoById[sortEntry.id];\n const isDesc = (sortEntry == null ? void 0 :
sortEntry.desc) ?? false;\n if (columnInfo.sortUndefined) {\n const aValue =
rowA.getValue(sortEntry.id);\n const bValue = rowB.getValue(sortEntry.id);\n const aUndefined =
typeof aValue === 'undefined';\n const bUndefined = typeof bValue === 'undefined';\n\n if
(aUndefined || bUndefined) {\n return aUndefined && bUndefined ? 0 : aUndefined ?
columnInfo.sortUndefined : -columnInfo.sortUndefined;\n } \n } // This function should always return in
ascending order\n\n let sortInt = columnInfo.sortingFn(rowA, rowB, sortEntry.id);\n\n if (sortInt !== 0)
{\n if (isDesc) {\n sortInt *= -1;\n } \n\n if (columnInfo.invertSorting) {\n
sortInt *= -1;\n } \n\n return sortInt;\n } \n } \n\n return rowA.index - rowB.index;\n });\n
// If there are sub-rows, sort them\n\n sortedData.forEach(row => {\n sortedFlatRows.push(row);\n\n if
(!row.subRows || row.subRows.length <= 1) {\n return;\n } \n\n row.subRows =
sortData(row.subRows);\n });\n return sortedData;\n });\n\n return {\n rows:
sortData(rowModel.rows),\n flatRows: sortedFlatRows,\n rowsById: rowModel.rowsById\n }; \n }, {\n
key: process.env.NODE_ENV === 'development' && 'getSortedRowModel',\n debug: () =>
table.options.debugAll ?? table.options.debugTable,\n onChange: () => {\n table._autoResetPageIndex();\n
}\n });\n\n\nfunction getGroupedRowModel() {\n return table => memo(() => [table.getState().grouping,
table.getPreGroupedRowModel()], (grouping, rowModel) => {\n if (!rowModel.rows.length || !grouping.length)
{\n return rowModel;\n } // Filter the grouping list down to columns that exist\n\n\n const existingGrouping =
grouping.filter(columnId => table.getColumn(columnId));\n const groupedFlatRows = [];\n const
groupedRowsById = {};\n // const onlyGroupedFlatRows: Row[] = [];\n // const onlyGroupedRowsById:
Record<RowId, Row> = {};\n // const nonGroupedFlatRows: Row[] = [];\n // const nonGroupedRowsById:
Record<RowId, Row> = {};\n // Recursively group the data\n\n const groupUpRecursively = function (rows,
depth, parentId) {\n if (depth === void 0) {\n depth = 0;\n } \n\n // Grouping depth has been met\n
\n // Stop grouping and simply rewrite thd depth and row relationships\n if (depth >= existingGrouping.length)
{\n return rows.map(row => {\n row.depth = depth;\n groupedFlatRows.push(row);\n
groupedRowsById[row.id] = row;\n\n if (row.subRows) {\n row.subRows =
groupUpRecursively(row.subRows, depth + 1);\n } \n\n return row;\n });\n } \n\n const
columnId = existingGrouping[depth]; // Group the rows together for this level\n\n const rowGroupsMap =
groupBy(rows, columnId); // Perform aggregations for each group\n\n const aggregatedGroupedRows =
Array.from(rowGroupsMap.entries()).map((_ref, index) => {\n let [groupingValue, groupedRows] = _ref;\n
let id = `${columnId}:${groupingValue}`;\n id = parentId ? `${parentId}>${id}` : id; // First, Recurse to group

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sub rows before aggregation\n\n    const subRows = groupUpRecursively(groupedRows, depth + 1, id); // Flatten
the leaf rows of the rows in this group\n\n    const leafRows = depth ? flattenBy(groupedRows, row =>
row.subRows) : groupedRows;\n    const row = createRow(table, id, leafRows[0].original, index, depth);\n    Object.assign(row, {\n        groupingColumnId: columnId,\n        groupingValue,\n        subRows,\n        leafRows,\n        getValue: columnId => {\n            // Don't aggregate columns that are in the grouping\n            if
(existingGrouping.includes(columnId)) {\n                if (row._valuesCache.hasOwnProperty(columnId)) {\n
return row._valuesCache[columnId];\n                }\n                if (groupedRows[0]) {\n
row._valuesCache[columnId] = groupedRows[0].getValue(columnId) ?? undefined;\n                }\n                return
row._valuesCache[columnId];\n            }\n            if (row._groupingValuesCache.hasOwnProperty(columnId)) {\n
return row._groupingValuesCache[columnId];\n            } // Aggregate the values\n\n            const column
= table.getColumn(columnId);\n            const aggregateFn = column.getAggregationFn();\n            if
(aggregateFn) {\n                row._groupingValuesCache[columnId] = aggregateFn(columnId, leafRows,
groupedRows);\n                return row._groupingValuesCache[columnId];\n            }\n        });\n    subRows.forEach(subRow => {\n        groupedFlatRows.push(subRow);\n        groupedRowsById[subRow.id] =
subRow; // if (subRow.getIsGrouped?.()) {\n        // onlyGroupedFlatRows.push(subRow);\n        //
onlyGroupedRowsById[subRow.id] = subRow;\n        // } else {\n        //
nonGroupedFlatRows.push(subRow);\n        // nonGroupedRowsById[subRow.id] = subRow;\n        // }\n    });\n    return row;\n });\n    return aggregatedGroupedRows;\n });\n\n    const groupedRows =
groupUpRecursively(rowModel.rows, 0, "");\n    groupedRows.forEach(subRow => {\n
groupedFlatRows.push(subRow);\n    groupedRowsById[subRow.id] = subRow; // if (subRow.getIsGrouped?.())
{\n    // onlyGroupedFlatRows.push(subRow);\n    // onlyGroupedRowsById[subRow.id] = subRow;\n    // }
else {\n    // nonGroupedFlatRows.push(subRow);\n    // nonGroupedRowsById[subRow.id] = subRow;\n    //
}\n    });\n    return {\n        rows: groupedRows,\n        flatRows: groupedFlatRows,\n        rowsById:
groupedRowsById\n    };\n }, {\n    key: process.env.NODE_ENV === 'development' &&
'getGroupedRowModel',\n    debug: () => table.options.debugAll ?? table.options.debugTable,\n    onChange: () =>
{\n        table._queue(() => {\n            table._autoResetExpanded();\n            table._autoResetPageIndex();\n        });\n    });\n\n\nfunction groupBy(rows, columnId) {\n    const groupMap = new Map();\n    return rows.reduce((map,
row) => {\n        const resKey = `${row.getValue(columnId)}`;\n        const previous = map.get(resKey);\n        if
(!previous) {\n            map.set(resKey, [row]);\n        } else {\n            map.set(resKey, [...previous, row]);\n        }\n    },\n    map);\n }, groupMap);\n\n\nfunction getExpandedRowModel() {\n    return table => memo(() =>
[table.getState().expanded, table.getPreExpandedRowModel(), table.options.paginateExpandedRows], (expanded,
rowModel, paginateExpandedRows) => {\n        if (!rowModel.rows.length || expanded !== true &&
!Object.keys(expanded ?? {}).length) {\n            return rowModel;\n        }\n        if (!paginateExpandedRows) {\n            //
Only expand rows at this point if they are being paginated\n            return rowModel;\n        }\n        return
expandRows(rowModel);\n    }, {\n        key: process.env.NODE_ENV === 'development' &&
'getExpandedRowModel',\n        debug: () => table.options.debugAll ?? table.options.debugTable\n    });\n\n\nfunction
expandRows(rowModel) {\n    const expandedRows = [];\n    const handleRow = row => {\n        var
_row$subRows;\n        expandedRows.push(row);\n        if ((_row$subRows = row.subRows) != null &&
_row$subRows.length && row.getIsExpanded()) {\n            row.subRows.forEach(handleRow);\n        }\n    };\n    rowModel.rows.forEach(handleRow);\n    return {\n        rows: expandedRows,\n        flatRows: rowModel.flatRows,\n
rowsById: rowModel.rowsById\n    };\n\n\nfunction getPaginationRowModel(opts) {\n    return table => memo(() =>
[table.getState().pagination, table.getPrePaginationRowModel(), table.options.paginateExpandedRows ? undefined :
table.getState().expanded], (pagination, rowModel) => {\n        if (!rowModel.rows.length) {\n            return rowModel;\n
}\n        const {\n            pageSize,\n            pageIndex\n        } = pagination;\n        let {\n            rows,\n            flatRows,\n            rowsById\n        } = rowModel;\n        const pageStart = pageSize * pageIndex;\n        const pageEnd = pageStart +
pageSize;\n        rows = rows.slice(pageStart, pageEnd);\n        let paginatedRowModel;\n        if
(!table.options.paginateExpandedRows) {\n            paginatedRowModel = expandRows({\n                rows,\n                flatRows,\n                rowsById\n            });\n        } else {\n            paginatedRowModel = {\n                rows,\n                flatRows,\n

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rowsById\n    };\n    }\n\n    paginatedRowModel.flatRows = [];\n\n    const handleRow = row => {\n
paginatedRowModel.flatRows.push(row);\n    if (row.subRows.length) {\n
row.subRows.forEach(handleRow);\n    }\n    };\n\n    paginatedRowModel.rows.forEach(handleRow);\n    return
paginatedRowModel;\n  }, {\n    key: process.env.NODE_ENV === 'development' && 'getPaginationRowModel',\n
debug: () => table.options.debugAll ?? table.options.debugTable\n  });\n\n\nexport { ColumnSizing, Expanding,
Filters, Grouping, Headers, Ordering, Pagination, Pinning, RowSelection, Sorting, Visibility, aggregationFns,
buildHeaderGroups, createCell, createColumn, createColumnHelper, createRow, createTable, defaultColumnSizing,
expandRows, filterFns, flattenBy, functionalUpdate, getCoreRowModel, getExpandedRowModel,
getFacetedMinMaxValues, getFacetedRowModel, getFacetedUniqueValues, getFilteredRowModel,
getGroupedRowModel, getPaginationRowModel, getSortedRowModel, isFunction, isRowSelected,
isSubRowSelected, makeStateUpdater, memo, noop, orderColumns, passiveEventSupported, reSplitAlphaNumeric,
selectRowsFn, shouldAutoRemoveFilter, sortingFns };\n\n\n// sourceMappingURL=index.js.map\n", "<script>\nexport
let content;\n</script>\n\n{content}", "import type { SvelteComponentDev } from 'svelte/internal'\nimport {
create_ssr_component, escape } from 'svelte/internal'\nimport PlaceholderClient from './placeholder.svelte'\n\ntype
X = typeof PlaceholderClient\n\nconst PlaceholderServer = create_ssr_component(\n  ($$result: any, $$props: any,
$$bindings: any, slots: any) => {\n    return `${escape($$props.content)}`\n  }\n) as any as typeof
SvelteComponentDev\n\nexport default typeof document === 'undefined' ? PlaceholderServer\n :
PlaceholderClient\n", "import {\n  SvelteComponent,\n  claim_component,\n  create_component,\n
destroy_component,\n  init,\n  mount_component,\n  noop,\n  safe_not_equal,\n  transition_in,\n  transition_out,\n
create_ssr_component,\n  validate_component,\n} from 'svelte/internal'\n\nfunction create_fragment(ctx: any,
Comp: any, props: any) {\n  let c: any\n  let current: any\n  c = new Comp({ props, $$inline: true })\n  return {\n
c()\n    create_component(c.$$fragment)\n  },\n  l(nodes: any) {\n    claim_component(c.$$fragment,
nodes)\n  },\n  m(target: any, anchor: any) {\n    // @ts-ignore\n    mount_component(c, target, anchor)\n
current = true\n  },\n  p: noop,\n  i(local: any) {\n    if (current) return\n    transition_in(c.$$fragment, local)\n
current = true\n  },\n  o(local: any) {\n    transition_out(c.$$fragment, local)\n    current = false\n  },\n
d(detaching: any) {\n    destroy_component(c, detaching)\n  },\n  }\n}\n\nfunction renderClient(Comp: any,
props: any): any {\n  return class WrapperComp extends SvelteComponent {\n    constructor(options: any) {\n
super()\n    init(\n      this,\n      options,\n      null,\n      (ctx: any) => create_fragment(ctx, Comp, props),\n
safe_not_equal,\n      {},\n      undefined\n    )\n  }\n}\n\nfunction renderServer(Comp: any, props: any) {\n
const WrapperComp = create_ssr_component(\n  ($$result: any, $$props: any, $$bindings: any, slots: any) => {\n
return `${validate_component(Comp, 'TableComponent').$$render(\n    $$result,\n    props,\n    {},\n
{})\n  }`\n  }\n)\n\n  return WrapperComp\n}\n\nexport const renderComponent =\n  typeof window ===
'undefined' ? renderServer : renderClient\n", "import {\n  RowData,\n  createTable,\n  TableOptions,\n
TableOptionsResolved,\n} from '@tanstack/table-core'\nimport Placeholder from './placeholder'\nimport {
SvelteComponent } from 'svelte/internal'\nimport { readable, writable, derived, Readable, get } from
'svelte/store'\nimport { renderComponent } from './render-component'\n\nexport { renderComponent } from
'./render-component'\n\nexport * from '@tanstack/table-core'\n\nfunction isSvelteServerComponent(component:
any) {\n  return (\n    typeof component === 'object' &&\n    typeof component.$$render === 'function' &&\n
typeof component.render === 'function'\n  )\n}\n\nfunction isSvelteClientComponent(component: any) {\n  let
isHMR = '__SVELTE_HMR' in window\n\n  return (\n    component.prototype instanceof SvelteComponent ||\n
(isHMR &&\n    component.name?.startsWith('Proxy<') &&\n    component.name?.endsWith('>'))\n
)\n}\n\nfunction isSvelteComponent(component: any) {\n  if (typeof document === 'undefined') {\n    return
isSvelteServerComponent(component)\n  } else {\n    return isSvelteClientComponent(component)\n  }\n}\n\nfunction wrapInPlaceholder(content: any) {\n  return renderComponent(Placeholder, { content
})\n}\n\nexport function flexRender(component: any, props: any) {\n  if (!component) return null\n\n  if
(isSvelteComponent(component)) {\n    return renderComponent(component, props)\n  }\n\n  if (typeof component
=== 'function') {\n    const result = component(props)\n\n    if (isSvelteComponent(result)) {\n      return result\n
}\n\n    return wrapInPlaceholder(result)\n  }\n\n  return wrapInPlaceholder(component)\n}\n\ntype

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ReadableOrVal<T> = T | Readable<T>\n\nexport function createSvelteTable<TData extends RowData>(\n  options:
ReadableOrVal<TableOptions<TData>>)\n) {\n  let optionsStore: Readable<TableOptions<TData>>\n\n  if
('subscribe' in options) {\n    optionsStore = options\n  } else {\n    optionsStore = readable(options)\n  }\n\n  let
resolvedOptions: TableOptionsResolved<TData> = {\n    state: {}, // Dummy state\n    onStateChange: () => {}, //
noop\n    renderFallbackValue: null,\n    ...get(optionsStore),\n  }\n\n  let table = createTable(resolvedOptions)\n\n  let stateStore = writable(** @type {number} */ table.initialState)\n  // combine stores\n  let stateOptionsStore =
derived([stateStore, optionsStore], s => s)\n  const tableReadable = readable(table, function start(set) {\n    const
unsubscribe = stateOptionsStore.subscribe(([state, options]) => {\n      table.setOptions(prev => {\n        return {\n
...prev,\n          ...options,\n          state: { ...state, ...options.state },\n          // Similarly, we'll maintain both our
internal state and any user-provided\n          // state.\n          onStateChange: updater => {\n            if (updater
instanceof Function) {\n              stateStore.update(updater)\n            } else {\n              stateStore.set(updater)\n
            }\n          }\n          resolvedOptions.onStateChange?.(updater)\n        },\n      })\n    })\n  })\n\n  // it didn't seem to
rerender without setting the table\n  set(table)\n\n  return function stop() {\n    unsubscribe()\n  }\n
})\n\n return
tableReadable\n}\n"},"names":["functionalUpdate","updater","input","makeStateUpdater","key","instance","setState
","old","isFunction","d","Function","flattenBy","arr","getChildren","flat","recurse","subArr","forEach","item","push
","children","length","memo","getDeps","fn","opts","result","deps","depTime","debug","Date","now","newDeps","s
ome","dep","index","resultTime","onChange","depEndTime","Math","round","resultEndTime","resultFpsPercentag
e","pad","str","num","String","console","info","max","min","createColumn","table","columnDef","depth","parent","
resolvedColumnDef","_getDefaultColumnDef","accessorKey","accessorFn","id","replace","undefined","header","in
cludes","originalRow","split","Error","column","columns","getFlatColumns","_column$columns","flatMap","optio
ns","debugAll","debugColumns","getLeafColumns","_getOrderColumnsFn","orderColumns","_column$columns2","
leafColumns","_features","reduce","obj","feature","Object","assign","createHeader","isPlaceholder","placeholderI
d","subHeaders","colSpan","rowSpan","headerGroup","getLeafHeaders","leafHeaders","recurseHeader","h","map",
"getContext","Headers","createTable","getHeaderGroups","getAllColumns","getVisibleLeafColumns","getState","c
olumnPinning","left","right","allColumns","leftColumns","columnId","find","filter","Boolean","rightColumns","bui
ldHeaderGroups","debugHeaders","getCenterHeaderGroups","getLeftHeaderGroups","getRightHeaderGroups","get
FooterGroups","headerGroups","reverse","getLeftFooterGroups","getCenterFooterGroups","getRightFooterGroups"
,"getFlatHeaders","headers","getLeftFlatHeaders","getCenterFlatHeaders","getRightFlatHeaders","getCenterLeafHe
aders","flatHeaders","_header$subHeaders","getLeftLeafHeaders","_header$subHeaders2","getRightLeafHeaders",
"_header$subHeaders3","center","_left$","_center$","_right$","columnsToGroup","headerFamily","_headerGroups
$","maxDepth","findMaxDepth","getIsVisible","createHeaderGroup","headersToGroup","join","pendingParentHea
ders","headerToGroup","latestPendingParentHeader","bottomHeaders","recurseHeadersForSpans","childRowSpans
","_ref","childColSpan","childRowSpan","defaultColumnSizing","size","minSize","maxSize","Number","MAX_SA
FE_INTEGER","ColumnSizing","getDefaultColumnDef","getInitialState","state","columnSizing","columnSizingInf
o","startOffset","startSize","deltaOffset","deltaPercentage","isResizingColumn","columnSizingStart","getDefaul
tOptions","columnResizeMode","onColumnSizingChange","onColumnSizingInfoChange","getSize","columnSize","get
Start","position","getLeftVisibleLeafColumns","getRightVisibleLeafColumns","findIndex","prevSiblingColumn","r
esetSize","setColumnSizing","_","rest","getCanResize","enableResizing","enableColumnResizing","getIsResizing",
"sum","prevSiblingHeader","getResizeHandler","getColumn","canResize","e","persist","isTouchStartEvent","touch
es","clientX","updateOffset","eventType","clientXPos","newColumnSizing","setColumnSizingInfo","_ref2","heade
rSize","mouseEvents","moveHandler","onMove","upHandler","document","removeEventListener","passiveIfSuppo
rted","passiveEventSupported","passive","addEventListener","resetColumnSizing","defaultState","initialState","rese
tHeaderSizeInfo","getTotalSize","_table$getHeaderGroup","getLeftTotalSize","_table$getLeftHeaderG","getCenter
TotalSize","_table$getCenterHeade","getRightTotalSize","_table$getRightHeader","passiveSupported","supported",
"noop","window","err","type","Expanding","expanded","onExpandedChange","paginateExpandedRows","registre
d","queued","_autoResetExpanded","autoResetAll","autoResetExpanded","manualExpanding","_queue","resetExpa
nded","setExpanded","toggleAllRowsExpanded","getIsAllRowsExpanded","_table$initialState","getCanSomeRows

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Expand", "getRowModel", "flatRows", "row", "getCanExpand", "getToggleAllRowsExpandedHandler", "getIsSomeRowsExpanded", "values", "keys", "getIsExpanded", "getExpandedDepth", "rowsById", "splitId", "getPreExpandedRowModel", "getSortedRowModel", "getExpandedRowModel", "\_getExpandedRowModel", "createRow", "toggleExpanded", "exists", "oldExpanded", "rowId", "getIsRowExpanded", "\_row\$subRows", "getRowCanExpand", "enableExpanding", "subRows", "getToggleExpandedHandler", "canExpand", "includesString", "filterValue", "\_row\$getValue", "search", "toLowerCase", "getValue", "autoRemove", "val", "testFalsy", "includesStringSensitive", "\_row\$getValue2", "equalsString", "\_row\$getValue3", "arrIncludes", "\_row\$getValue4", "arrIncludesAll", "\_row\$getValue5", "arrIncludesSome", "\_row\$getValue6", "equals", "weakEquals", "inNumberRange", "rowValue", "resolveFilterValue", "unsafeMin", "unsafeMax", "parsedMin", "parseFloat", "parsedMax", "isNaN", "Infinity", "temp", "filterFns", "Filters", "filterFn", "columnFilters", "globalFilter", "onColumnFiltersChange", "onGlobalFilterChange", "filterFromLeafRows", "globalFilterFn", "getColumnCanGlobalFilter", "\_table\$getCoreRowMode", "\_table\$getCoreRowMode2", "value", "getCoreRowModel", "\_getAllCellsByColumnId", "getAutoFilterFn", "firstRow", "Array", "isArray", "getFilterFn", "\_table\$options\$filter", "getCanFilter", "enableColumnFilter", "enableColumnFilters", "enableFilters", "getCanGlobalFilter", "enableGlobalFilter", "getIsFiltered", "getFilterIndex", "getFilterValue", "\_table\$getState\$column", "\_table\$getState\$column2", "\_table\$getState\$column3", "setFilterValue", "setColumnFilters", "previousfilter", "newFilter", "shouldAutoRemoveFilter", "newFilterObj", "\_getFacetedRowModel", "getFacetedRowModel", "getPreFilteredRowModel", "\_getFacetedUniqueValues", "getFacetedUniqueValues", "Map", "\_getFacetedMinMaxValues", "getFacetedMinMaxValues", "columnFiltersMeta", "getGlobalAutoFilterFn", "getGlobalFilterFn", "\_table\$options\$filter2", "getAllLeafColumns", "\_functionalUpdate", "setGlobalFilter", "resetGlobalFilter", "resetColumnFilters", "getFilteredRowModel", "\_getFilteredRowModel", "manualFiltering", "\_getGlobalFacetedRowModel", "getGlobalFacetedRowModel", "\_getGlobalFacetedUniqueValues", "getGlobalFacetedUniqueValues", "\_getGlobalFacetedMinMaxValues", "getGlobalFacetedMinMaxValues", "aggregationFns", "leafRows", "childRows", "next", "nextValue", "extent", "mean", "leafRows", "count", "median", "unique", "from", "Set", "uniqueCount", "\_columnId", "Grouping", "aggregatedCell", "props", "\_props\$getValue", "toString", "aggregationFn", "grouping", "onGroupingChange", "groupedColumnMode", "toggleGrouping", "setGrouping", "getCanGroup", "enableGrouping", "getIsGrouped", "\_table\$getState\$group", "getGroupedIndex", "\_table\$getState\$group2", "indexOf", "getToggleGroupingHandler", "canGroup", "getAutoAggregationFn", "prototype", "call", "getAggregationFn", "\_table\$options\$aggregation", "resetGrouping", "getPreGroupedRowModel", "getGroupedRowModel", "\_getGroupedRowModel", "manualGrouping", "groupingColumnId", "\_groupingValuesCache", "createCell", "cell", "getIsPlaceholder", "getIsAggregated", "nonGroupingColumns", "col", "g", "Ordering", "columnOrder", "onColumnOrderChange", "setColumnOrder", "resetColumnOrder", "orderedColumns", "columnOrderCopy", "columnsCopy", "targetColumnId", "shift", "foundIndex", "splice", "Pagination", "pagination", "pageIndex", "pageSize", "onPaginationChange", "\_autoResetPageIndex", "autoResetPageIndex", "manualPagination", "resetPageIndex", "setPagination", "resetPagination", "setPageIndex", "maxPageIndex", "pageCount", "\_table\$initialState\$p", "resetPageSize", "\_table\$initialState2", "\_table\$initialState2\$", "setPageSize", "topRowIndex", "floor", "setPageCount", "newPageCount", "getPageOptions", "getPageCount", "pageOptions", "fill", "i", "debugTable", "getCanPreviousPage", "getCanNextPage", 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EAAGa,KAGICrE,EAAGU,EAAGZ,OAAGAC,GAGwBrD,KAAKW,OAAO2G,GAAGpC9F,EAAO4B,QAAUA,EAGjB5B

,EAAO6B,QAAUA,EACV,CACLD,UACAC,UACD,IAKL,OADAgE,GAA8D,OAARCX,EAAiBvB,EAAa,SAAC, EAASuB,EAAejB,UAAy,IACIGN,CACT,CAGK,MAACuC,EAASB,CAC1BC,KAAM,IACNC,QAAS,GACTC,Q AASC,OAAOC,kBAYZC,EAAe,CACnBC,oBAAqB,IACZP,EAETQ,gBAAiBC,IACR,CACLC,aAAc,CAAE,EAC hBC,iBAhByC,CAC7CC,YAAa,KACbC,UAAW,KACXC,YAAa,KACbC,gBAAiB,KACjBC,kBAaKB,EACIBC,k BAAmB,OAWZR,IAGPS,kBAAmB/H,IACV,CACLgI,iBAaKB,QACIBC,qBAAsBIL,EAAiB,eAAgBiD,GACvDk I,yBAA0BnL,EAAiB,mBAAoBiD,KAGnED,aAAc,CAACiB,EAAQhB,KACd,CACLmI,QAAS,KACP,MAAMC, EAAapI,EAAMqD,WAAWkE,aAAavG,EAAOR,IACxD,OAAOrB,KAAKW,IAAIX,KAAKU,IAAImB,EAAOf,U AAU8G,SAAWF,EAAoBE,QAASqB,GAAcPH,EAAOf,UAAU6G,MAAQD,EAAoBC,MAAO9F,EAAOf,UAAU+ G,SAAWH,EAAoBG,QAAQ,EAE9MqB,SAAUC,IACR,MAAMrH,EAAWqH,EAAwD,SAAbA,EAASBiI,EAAM uI,4BAA8BvI,EAAMwI,6BAAhGxI,EAAMoD,wBAC5BrE,EAAQkC,EAAQwH,WAAUpL,GAACA,EAAEmD,K AAOQ,EAAOR,KAERd,GAAIzB,EAAQ,EAAG,CACb,MAAM2J,EAAoBzH,EAAQIC,EAAQ,GAC1C,OAAO2J, EAAkBL,SAASC,GAAYI,EAAkBP,SACjE,CAED,OAAO,CAAC,EAEVQ,UAAW,KACT3I,EAAM4I,iBAAGBiC ,IACpB,IACE,CAAC1F,EAAOR,IAAKqI,KACVC,GACDpC,EACJ,OAAOoC,CAAI,GACX,EAEJC,aAAc,KACJ/ H,EAAOf,UAAU+I,iBAaKB,KAAUhJ,EAAMqB,QAAQ4H,uBAAwB,GAE7FC,cAAe,IACNIJ,EAAMqD,WAA WmE,iBAAiBK,mBAAqB7G,EAAOR,KAI3E2B,aAAc,CAACxB,EAAQX,KACd,CACLmI,QAAS,KACP,IAAIg B,EAAM,EAEV,MAAMxL,EAAUgD,IACVA,EAAO2B,WAAWrE,OACpB0C,EAAO2B,WAAWzE,QAAQF,GA E1BwL,GAAOXI,EAAOK,OAAOmH,WAAa,CACnC,EAIH,OADAxK,EAAQgD,GACDwI,CAAG,EAEZd,SAAU ,KACR,GAAI1H,EAAO5B,MAAQ,EAAG,CACpB,MAAMqK,EAAoBzI,EAAO8B,YAAymC,QAAQjE,EAAO5 B,MAAQ,GACpE,OAAOqK,EAAkBF,WAAae,EAAkBjB,SACzD,CAED,OAAO,CAAC,EAEVkB,iBAaKB,KAC hB,MAAMrI,EAAShB,EAAMsJ,UAAU3I,EAAOK,OAAOR,IACvC+I,EAAYvI,EAAO+H,eACzB,OAAOS,IACL, IAAKD,EACH,OAI,GAFA,MAAbC,EAAEC,SAA2BD,EAAEC,UAE3BC,EAAkBF,IAEhBA,EAAEG,SAAWH, EAAEG,QAAQ1L,OAAS,EACIC,OAIJ,MAAMYJ,EAAY/G,EAAOwH,UACnBL,EAAoBnH,EAASA,EAAO+B,i BAAiBI,KAAIzF,GAAC,CAACA,EAAE2D,OAAOR,GAAInD,EAAE2D,OAAOmH,aAAc,CAAC,CAACnH,EA AOR,GAAIQ,EAAOmH,YACvHyB,EAAUF,EAAkBF,GAARkK,KAAKC,MAAMoK,EAAEG,QAAQ,GAAGC,S AAWJ,EAAEI,QAETEC,EAAe,CAACC,EAAWC,KAC/B,GAA0B,iBAafA,EACT,OAGF,IAAIC,EAAkB,CAAA, EACTbK,EAAMiK,qBAAoB9M,IACxB,MAAMwK,EAACO,IAASB,MAAP5M,OAAc,EAASA,EAAIsK,cAAG B,GACxEG,EAAkzI,KAAKU,IAAI8H,IAAuB,MAAPxK,OAAC,EAASA,EAAluK,YAAc,IAAK,SAK/F,OAJAv K,EAAI2K,kBAaKBjK,SAAQqM,IAC5B,IAAKvG,EAAUwG,GAACD,EAC7BF,EAAgBrG,GAAYxE,KAAKC, MAA+D,IAAZDD,KAAKU,IAAIsK,EAAaA,EAAvC,EAAiB,IAAY,GAAG,IAErG,IAAKzK,EACVwK,cACAC, kBACD,IAGoC,aAAnc5H,EAAMqB,QAAQ2G,kBAAiD,QAAAd8B,GACnD9J,EAAM4I,iBAAGBzL,IAAQ,IAAK A,KAC9B6M,KAEN,EAIbGI,EAAc,CACIBC,YAAab,IAAKc,OAfLP,EAeYP,EAAEI,QAFAC,EAAa,OAAQE,G AAnCA,KAesB,EACnCQ,UAAWf,IAAdCO,MAeVS,SAASC,oBAAoB,YAAaL,EAAYC,aActDG,SAASC,oBAAo B,UAAWL,EAAYG,WAhB1CR,EAIbJP,EAAEI,QAhBVC,EAAa,MAAOE,GACpB/J,EAAMiK,qBAAoB9M,IAA Q,IAAKA,EACrC0K,kBAaKB,EACIBJ,YAAa,KACbC,UAAW,KACXC,YAAa,KACbC,gBAAiB,KACjBE,kBAA mB,MASH,GAGd4C,IAAQBC,KAA0B,CACnDC,SAAS,GAGPIB,EAAkBF,KACpBgB,SAASK,iBAAiB,YAAaT, EAAYC,YAAaK,GACHEF,SAASK,iBAAiB,UAAWT,EAAYG,UAAWG,IAG9D1K,EAAMiK,qBAAoB9M,IAAQ ,IAAKA,EACrCsK,YAAamC,EACblC,YACAC,YAAa,EACbC,gBAAiB,EACjBE,oBACAD,iBAaKB7G,EAAOR, MACxB,CACJ,IAIPyC,YAAajD,IACJ,CACL4I,gBAAiB/L,GAAiD,MAAtCmD,EAAMqB,QAAQ4G,0BAA+B,E AASjI,EAAMqB,QAAQ4G,qBAAqBpL,GACrHoN,oBAAqBpN,GAAqD,MAA1CmD,EAAMqB,QAAQ6G,8BA AmC,EAASII,EAAMqB,QAAQ6G,yBAAYBrL,GACjliO,kBAAmBC,IACjB/K,EAAM4I,gBAAGBmC,EAAe,CA AE,EAAG/K,EAAMgL,aAAaxD,cAAGB,CAAA,EAAG,EAEIF0D,oBAAqBF,IACnB/K,EAAMiK,oBAAoBc,EAt La,CAC7CtD,YAAa,KACbC,UAAW,KACXC,YAAa,KACbC,gBAAiB,KACjBC,kBAaKB,EACIBC,kBAAmB,IA gLgE9H,EAAMgL,aAAaxD,kBAAtLzD,CAC7CC,YAAa,KACbC,UAAW,KACXC,YAAa,KACbC,gBAAiB,KACj BC,kBAaKB,EACIBC,kBAAmB,IAgLyI,EAExJoD,aAAc,KACZ,IAAIC,EAEJ,OAAgE,OAAvDA,EAAwBnL,EA AMkD,kBAaKB,SAAC,EAASiI,EAASBvG,QAAQ9C,QAAO,CAACqH,EAAKxI,IACIHwI,EAAMxI,EAAOwH, WACnB,KAAO,CAAC,EAEbiD,iBAaKB,KACbB,IAAIC,EAEJ,OAAoE,OAA3DA,EAAwBrL,EAAMmE,sBAAS B,SAAC,EAASKH,EAASBzG,QAAQ9C,QAAO,CAACqH,EAAKxI,IACtHwI,EAAMxI,EAAOwH,WACnB,KAA O,CAAC,EAEbmD,mBAAoB,KACIB,IAAIC,EAEJ,OAASe,OAA7DA,EAAwBvL,EAAMkE,wBAAwB,SAAC,E

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AlnR, QAE3E, MAAM6R, EAAkB, CAAC3C, EAAKxJ, EAAUmL, IAC/BA, EAAyJq, MAAKuQ, IACtB, IAAIW, EA  
EJ, OAAoD, OAA5CA, EAAiB5C, EAAI+B, SAASvL, SAAqB, EAASoM, EAAenP, SAASwO, EAAI, IAIpGU, EAAgB  
X, WAAaC, GAAOC, EAAWD, MAaiB, MAAPA, GAAeA, EAAInR, QAE5E, MAAM+R, EAAS, CAAC7C, EAAKxJ,  
EAAUmL, IACtB3B, EAAI+B, SAASvL, KAacmL, EAGpCkB, EAAOb, WAAaC, GAAOC, EAAWD, GAETc, MAAM  
a, EAAa, CAAC9C, EAAKxJ, EAAUmL, IAC1B3B, EAAI+B, SAASvL, IAAamL, EAGnCmB, EAAWd, WAAaC, GAA  
OC, EAAWD, GAE1C, MAAMc, EAAgB, CAAC/C, EAAKxJ, EAAUmL, KACpC, IAAKhP, EAAKD, GAAOiP, EACjB  
, MAAMqB, EAAWhD, EAAI+B, SAASvL, GAC9B, OAAOwM, GAAyRq, GAAOqQ, GAAYtQ, CAAG, EAG3CqQ, E  
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H, IAAcI, IAAWJ, EACIE1Q, EAAoB, OAAdyQ, GAAsBrJ, OAAOyJ, MAAMD, GAAaE, IAAWF, EAERe, GAAI3Q, E  
AAMD, EAAK, CACb, MAAM+Q, EAAO9Q, EACbA, EAAMD, EACNA, EAAM+Q, CACP, CAED, MAAO, CAAC9  
Q, EAAKD, EAAI, EAGnBqQ, EAAcf, WAAaC, GAAOC, EAAWD, IAAQC, EAAWD, EAAI, KAAOC, EAAWD, EAA  
I, IAGrF, MAACyB, EAAy, CACbBhC, iBACAS, 0BACAE, eACAE, cACAE, iBACAE, kBACAE, SACAC, aACAC, iB  
AIF, SAASb, EAAWD, GACIB, OAAOA, SAA6C, KAARA, CAC9C, CAGK, MAAC0B, EAAU, CACd1J, oBAAqB, KA  
CZ, CACL2J, SAAU, SAGd1J, gBAAiBC, IACR, CACL0J, cAAe, GACfC, kBAAcvQ, KAGX4G, IAGPS, kBAAmB/H, I  
ACV, CACLkR, sBAAuBnU, EAAiB, gBAAiBiD, GACzDmR, qBAAsBpU, EAAiB, eAAgBiD, GACvDoR, oBAAoB, E  
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4R, gBAAiB, KACf, MAAMC, EAAW7R, EAAM0R, kBAAkBxE, SAAS, GAC5CuE, EAAoB, MAAZI, OAAmB, EAA  
SA, EAAS3C, SAASIO, EAAOR, IAEnE, MAaqB, iBAAViR, EACFZ, EAAUhC, eAGE, iBAAV4C, EACFZ, EAAUX, c  
AGE, kBAAVuB, GAIG, OAAVA, GAAmC, iBAAVA, EAHpBZ, EAAUb, OAO8B, MAAMC, QAAQN, GACTZ, EAA  
UnB, YAGZmB, EAAUZ, UAAU, EAE7B+B, YAAa, KACX, IAAIC, EAEJ, OAAO7U, EAAW4D, EAAOf, UAAU8Q,  
UAAyP, EAAOf, UAAU8Q, SAAyC, SAA9B/P, EAAOf, UAAU8Q, SAAsB/P, EAAO4Q, mBAA0E, OAApDK, EAA  
wBjS, EAAMqB, QAAQwP, gBAAqB, EAASoB, EAAsBjR, EAAOf, UAAU8Q, YAAcF, EAAU7P, EAAOf, UAAU8Q,  
SAAS, EAE9SmB, aAAc, KACJIR, EAAOf, UAAUkS, qBAAsB, KAAUnS, EAAMqB, QAAQ+Q, sBAAuB, KAAUpS,  
EAAMqB, QAAQgR, gBAAiB, MAAWrR, EAAOT, WAE3J+R, mBAAoB, KACvR, EAAOf, UAAUsS, qBAAsB, KA  
AUvS, EAAMqB, QAAQkR, qBAAsB, KAAUvS, EAAMqB, QAAQgR, gBAAiB, MAAdQ, MAA1CrS, EAAMqB, QA  
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AW2N, oBAAyB, EAAS6B, EAAuBpK, WAAUpL, GAAKA, EAAEmD, KAAOQ, EAAOR, QAAS, CAAC, EAEvJsS, e  
AAgBrB, IACdzR, EAAM+S, kBAAiB5V, IACrB, MAAM4T, EAAW/P, EAAOgR, cACIBgB, EAAwB, MAAP7V, OA  
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C, kBAAmB, CAAE, IAGzB3Q, YAAajD, IACJ, CACL6T, sBAAuB, IACdhD, EAAUhC, eAEnBiF, kBAAmB, KACjB, I  
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Found in path(s):

\* /opt/cola/permits/1645466542\_1681905186.5974553/0/svelte-table-8-5-15-tgz/package/build/umd/index.production.js.map

# 1.184 array-ify 1.0.0

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# 1.186 junit-platform-junit-platform-commons

## 1.8.2

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# 1.187 microsoft-win32-systemevents 6.0.0

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Includes:mono/utils/memcheck.h

Includes:mono/utils/freebsd-dwarf.h

Includes:mono/utils/freebsd-elf\_common.h

Includes:mono/utils/freebsd-elf64.h

Includes:mono/utils/freebsd-elf32.h

Includes:mono/utils/bsearch.c

Includes:mono/metadata/w32file-unix-glob.c

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2. AngleSharp (<https://github.com/AngleSharp/AngleSharp>)
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\* mono/utills/freebsd-dwarf.h

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mono/utils/bsearch.c

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\* with some minor modifications.

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\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/expression/DefaultExpressionEvaluator.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/UrlConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/lookup/ConverterLookup.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/DefaultPlexusContainer.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/configuration/processor/AbstractConfigurationResourceHandler.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/composite/PlexusConfigurationConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/composite/ObjectWithFieldsConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/PlexusContainerHost.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/composition/FieldComponentComposer.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/configuration/processor/ConfigurationResourceNotFoundException.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/configuration/processor/ConfigurationProcessor.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/composition/DefaultCompositionResolver.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/StringBufferConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/AbstractComponentConfigurator.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/composite/PropertiesConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-

jar/org/codehaus/plexus/lifecycle/PassiveLifecycleHandler.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/repository/DefaultComponentRepository.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/lookup/DefaultConverterLookup.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/ShortConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/discovery/DefaultComponentDiscoverer.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/BasicComponentConfigurator.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/lifecycle/BasicLifecycleHandler.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/composition/SetterComponentComposer.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/factory/DefaultComponentFactoryManager.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/DoubleConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/DateConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/PlexusTestCase.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/manager/DefaultComponentManagerManager.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/IntConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/manager/PerLookupComponentManager.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/configuration/processor/FileConfigurationResourceHandler.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/composition/NoOpComponentComposer.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/configuration/processor/DirectoryConfigurationResourceHandler.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/configuration/PlexusConfigurationMerger.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/AbstractBasicConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/FloatConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/StringConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/manager/ClassicSingletonComponentManager.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/repository/io/PlexusTools.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-

jar/org/codehaus/plexus/component/configurator/converters/basic/FileConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/expression/ExpressionEvaluationException.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/ComponentConfigurator.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/manager/KeepAliveSingletonComponentManager.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/composite/MapConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/BooleanConverter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/expression/ExpressionEvaluator.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/discovery/DefaultComponentDiscovererManager.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/embed/Embedder.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/Converter.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/SimplePlexusContainerManager.java  
\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-  
jar/org/codehaus/plexus/component/configurator/converters/basic/LongConverter.java  
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*/
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Found in path(s):

\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/ConfigurationListener.java

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Found in path(s):

\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/StoppingException.java

\* /opt/cola/permits/1017018152\_1611256329.48/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/ComponentValueSetter.java

# 1.193 zipkin-v2 2.23.2

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# 1.194 nuget-projectmodel 6.1.0

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# 1.195 uri-js 4.4.1

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# 1.197 node-cross-spawn 7.0.3

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## 1.198 path-parse 1.0.7

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## 1.199 mac-os 4.1.91.Final

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Manifest-Version: 1.0

Implementation-Title: Netty/Resolver/DNS/Classes/MacOS

Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.

Automatic-Module-Name: io.netty.resolver.dns.classes.macos

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0>

Bundle-SymbolicName: io.netty.resolver-dns-classes-macos

Implementation-Version: 4.1.91.Final

Built-By: norman

Bnd-LastModified: 1680521503109

Bundle-ManifestVersion: 2  
Implementation-Vendor-Id: io.netty  
Bundle-DocURL: https://netty.io/  
Bundle-Vendor: The Netty Project  
Import-Package: io.netty.channel.unix;version="[4.1,5)",io.netty.resolver.dns;version="[4.1,5)",io.netty.util.internal;version="[4.1,5)",io.netty.util.internal.logging;version="[4.1,5)",sun.nio.ch;resolution:=optional,org.eclipse.jetty.npn;version="[1,2)";resolution:=optional,org.eclipse.jetty.alpn;version="[1,2)";resolution:=optional  
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"  
Tool: Bnd-6.3.1.202206071316  
Implementation-Vendor: The Netty Project  
Export-Package: io.netty.resolver.dns.macos;uses:="io.netty.resolver.dns";version="4.1.91"  
Bundle-Name: Netty/Resolver/DNS/Classes/MacOS  
Bundle-Version: 4.1.91.Final  
Build-Jdk-Spec: 1.8  
Created-By: Apache Maven Bundle Plugin 5.1.8  
Build-Jdk: 1.8.0\_252  
Implementation-URL: https://netty.io/netty-resolver-dns-classes-macos/

Found in path(s):

\* /opt/cola/permits/1668653329\_1684135549.0918672/0/netty-resolver-dns-classes-macos-4-1-91-final-jar/META-INF/MANIFEST.MF

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Found in path(s):

\* /opt/cola/permits/1668653329\_1684135549.0918672/0/netty-resolver-dns-classes-macos-4-1-91-final-jar/META-INF/maven/io.netty/netty-resolver-dns-classes-macos/pom.xml

# 1.200 is-plain-object v5.0.0

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# 1.201 pretty-format 28.1.3

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## 1.202 springdoc-openapi-common 1.6.8

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## 1.203 @babel/helper-simple-access 7.18.6

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## 1.204 jsx-ast-utils 3.3.3

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## 1.205 @next/swc-linux-arm64-musl 12.3.1

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/opt/cola/permits/1668697145\_1683630563.6553547/0/swc-linux-arm64-musl-12-3-1-1-tgz/package/next-sw.c-linux-arm64-musl.node: binary file matches

Found in path(s):

\* /bin/grep

## 1.206 jest-runtime 28.1.3

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# 1.207 microsoft-codecoverage 17.1.0

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## 5.39.0

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## 1.210 @babel/parser 7.19.3

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# 1.211 proxy-from-env 1.1.0

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# 1.212 ansi-styles 6.1.1

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# 1.213 babel-helper-compilation-targets 7.19.3

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# 1.214 flat-cache 3.0.4

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# 1.215 asm-based-accessors-helper-used-by-json-smart 2.4.9

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## 1.216 junit-jupiter-junit-jupiter-api 5.8.2

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* limitations under the License.
*/
/**
 * A contract for inspecting and potentially modifying request data values such
 * as URL query parameters or form field values before they are rendered by a
 * view or before a redirect.
 *
 * <p>Implementations may use this contract for example as part of a solution
 * to provide data integrity, confidentiality, protection against cross-site
 * request forgery (CSRF), and others or for other tasks such as automatically
 * adding a hidden field to all forms and URLs.
 *
 * <p>View technologies that support this contract can obtain an instance to
 * delegate to via { @link RequestContext#getRequestDataValueProcessor()}.
 *
 * @author Rossen Stoyanchev
 * @since 5.0
 */
```

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\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/resource/AbstractPrefixVersionStrategy.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/function/server/RouterFunction.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/resource/TransformedResource.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/condition/NameValueExpression.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/method/annotation/RequestParamMapMethodArgumentResolver.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/view/ViewResolverSupport.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/function/server/DefaultHandlerStrategiesBuilder.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/function/server/RenderingResponse.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/resource/ResourceResolverChain.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/method/annotation/SessionStatusMethodArgumentResolver.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/view/HttpMessageWriterView.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/function/BodyExtractor.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/condition/AbstractNameValueExpression.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/accept/HeaderContentTypeResolver.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/function/client/DefaultClientRequestBuilder.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/SimpleHandlerAdapter.java

\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/accept/RequestedContentTypeResolver.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/socket/adapters/TomcatWebSocketSession.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/resource/DefaultResourceResolverChain.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/view/freemarker/FreeMarkerConfigurer.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/socket/server/RequestUpgradeStrategy.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/method/annotation/RequestHeaderMapMethodArgumentResolver.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/method/annotation/MatrixVariableMapMethodArgumentResolver.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/function/server/support/HandlerFunctionAdapter.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/condition/RequestCondition.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/view/AbstractUrlBasedView.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/function/server/support/ServerResponseResultHandler.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/resource/GzipResourceResolver.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/function/server/HandlerFilterFunction.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/config/PathMatchConfigurer.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/method/annotation/AbstractNamedValueSyncArgumentResolver.java  
\* /opt/cola/permits/1663667680\_1683207863.767466/0/spring-webflux-5-3-27-sources-jar/org/springframework/web/reactive/result/method/annotation/ExpressionValueMethodArgumentResolver.java

## 1.218 @commitlint/lint 17.1.0

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## 1.219 apache-common-codec 1.3

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 */
/**
 * Test data from http://aspell.sourceforge.net/test/batch0.tab.
 *
 * "Copyright (C) 2002 Kevin Atkinson (kevina@gnu.org). Verbatim copying
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 *
 * Massaged the test data in the array below.
 */
```

Found in path(s):

```
* /opt/cola/permits/1531018106_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java
```

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- \* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/project.xml
- \* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/maven.xml
- \* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/build.xml

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- \* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/language/RefinedSoundex.java
- \* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/StringEncoder.java
- \* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-

1.3/src/test/org/apache/commons/codec/binary/HexTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/binary/BinaryCodecTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/language/DoubleMetaphone.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/StringEncodings.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/RFC1522Codec.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/language/MetaphoneTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/digest/DigestUtilsTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/URLCodec.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/language/SoundexTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/BCodec.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/binary/BinaryCodec.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/binary/Hex.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/Decoder.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/language/Metaphone.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/StringEncoderAbstractTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/language/RefinedSoundexTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/BinaryDecoder.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/Encoder.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/StringEncoderComparator.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/language/Soundex.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/QuotedPrintableCodec.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/QCodec.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/StringDecoder.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/language/SoundexUtils.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-

1.3/src/java/org/apache/commons/codec/binary/Base64.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/BinaryEncoder.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/net/URLConnectionTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/DecoderException.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/BinaryEncoderAbstractTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/language/AllTests.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/net/BCodecTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/binary/Base64Test.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/StringEncoderComparatorTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/net/RFC1522CodecTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/digest/DigestUtils.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/net/QuotedPrintableCodecTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/net/QCodecTest.java  
\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/EncoderException.java  
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- \* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/package.html
- \* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/package.html
- \* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/language/package.html
- \* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/overview.html
- \* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/binary/package.html

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The commons-codec team is pleased to announce the Codec 1.3 release!

<http://jakarta.apache.org/commons/codec/>

The codec package contains simple encoder and decoders for various formats such as Base64 and Hexadecimal. In addition to these widely used encoders and decoders, the codec package also maintains a collection of phonetic encoding utilities.

Changes in this version include:

New Features:

- o BinaryCodec: Encodes and decodes binary to and from Strings of 0s and 1s. Issue: 27813. Thanks to Alex Karasulu.
- o QuotedPrintableCodec: Codec for RFC 1521 MIME (Multipurpose Internet Mail Extensions) Part One. Rules #3, #4, and #5 of the quoted-printable spec are not implemented yet. See also issue 27789. Issue: 26617. Thanks to Oleg Kalnichevski.
- o BCodec: Identical to the Base64 encoding defined by RFC 1521 and allows a character set to be specified. Issue: 26617. Thanks to Oleg Kalnichevski.
- o QCodec: Similar to the Quoted-Printable content-transfer-encoding defined in RFC 1521 and designed to allow text containing mostly ASCII characters

to be decipherable on an ASCII terminal without decoding. Issue: 26617.

Thanks to Oleg Kalnichevski.

o Soundex: Implemented the DIFFERENCE algorithm. Issue: 25243. Thanks to Matthew Inger.

o RefinedSoundex: Implemented the DIFFERENCE algorithm. Issue: 25243. Thanks to Matthew Inger.

Fixed bugs:

o The default URL encoding logic was broken. Issue: 25995. Thanks to Oleg Kalnichevski.

o Base64 chunked encoding not compliant with RFC 2045 section 2.1 CRLF. Issue: 27781. Thanks to Gary D. Gregory.

o Hex converts illegal characters to 255. Issue: 28455.

o Metaphone now correctly handles a silent B in a word that ends in MB.

"COMB" is encoded as "KM", before this fix "COMB" was encoded as "KMB". Issue: 28457.

o Added missing tags in Javadoc comments.

o General Javadoc improvements.

Changes:

o This version is released under the Apache License 2.0, please see

LICENSE.txt. Previous versions were released under the Apache License 1.1.

o The Board recommendation to remove Javadoc author tags has been implemented. All author tags are now "Apache Software Foundation".

Have fun!

-The commons-codec team

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\* /opt/cola/permits/1531018106\_1673543762.1532528/0/commons-codec-1-3-src-zip/commons-codec-1.3/RELEASE-NOTES.txt

## 1.220 jest-core 28.1.3

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## 1.221 json-stream 1.3.5

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# 1.222 apache-http-client 4.5.14

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[subs="normal"]

....

Specification: {doctitle}

Version: {revnumber}

ifeval::["{revremark}" != ""]

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## 1.233 dom-accessibility-api 0.5.14

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# 1.240 @jest/globals 28.1.3

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## 1.243 cli-truncate 2.1.0

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## 1.244 optionator 0.9.1

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## 1.245 @babel/plugin-syntax-object-rest-spread 7.8.3

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## 1.246 node-semver 6.3.0

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### 1.2.1

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\* /opt/cola/permits/1162437033\_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-jar/org/apache/maven/artifact/manager/DefaultWagonManager.java

\* /opt/cola/permits/1162437033\_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-jar/org/apache/maven/artifact/manager/WagonManager.java

\* /opt/cola/permits/1162437033\_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-jar/org/apache/maven/artifact/repository/DefaultArtifactRepositoryFactory.java

\* /opt/cola/permits/1162437033\_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-jar/org/apache/maven/artifact/transform/ReleaseArtifactTransformation.java

\* /opt/cola/permits/1162437033\_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-jar/org/apache/maven/artifact/resolver/WarningResolutionListener.java

\* /opt/cola/permits/1162437033\_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-

```
jar/org/apache/maven/artifact/repository/metadata/AbstractRepositoryMetadata.java
* /opt/cola/permits/1162437033_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-
jar/org/apache/maven/artifact/manager/ChecksumFailedException.java
* /opt/cola/permits/1162437033_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-
jar/org/apache/maven/artifact/resolver/DefaultArtifactResolver.java
* /opt/cola/permits/1162437033_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-
jar/org/apache/maven/artifact/transform/SnapshotTransformation.java
* /opt/cola/permits/1162437033_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-
jar/org/apache/maven/artifact/repository/metadata/DefaultRepositoryMetadataManager.java
* /opt/cola/permits/1162437033_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-
jar/org/apache/maven/artifact/transform/AbstractVersionTransformation.java
* /opt/cola/permits/1162437033_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-
jar/org/apache/maven/artifact/repository/DefaultArtifactRepository.java
* /opt/cola/permits/1162437033_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-
jar/org/apache/maven/artifact/repository/metadata/RepositoryMetadataManager.java
* /opt/cola/permits/1162437033_1620842126.06/0/maven-artifact-manager-2-0-2-sources-1-
jar/org/apache/maven/artifact/transform/DefaultArtifactTransformationManager.java
```

## 1.249 dotnet-coverage 17.1.2

### 1.249.1 Available under license :

```
---
description: "Learn more about: Copying DataSet Contents"
title: "Copying DataSet Contents"
ms.date: "03/30/2017"
dev_langs:
- "csharp"
- "vb"
ms.assetid: cb846617-2b1a-44ff-bd7f-5835f5ea37fa
---
```

#### # Copying DataSet Contents

You can create a copy of a `<xref:System.Data.DataSet>` so that you can work with data without affecting the original data, or work with a subset of the data from a `**DataSet**`. When copying a `**DataSet**`, you can:

- Create an exact copy of the `**DataSet**`, including the schema, data, row state information, and row versions.
- Create a `**DataSet**` that contains the schema of an existing `**DataSet**`, but only rows that have been modified. You can return all rows that have been modified, or specify a specific `**DataRowState**`. For more information about row states, see [Row States and Row Versions](row-states-and-row-versions.md).
- Copy the schema, or relational structure, of the `**DataSet**` only, without copying any rows. Rows can be imported into an existing `<xref:System.Data.DataTable>` using `<xref:System.Data.DataTable.ImportRow%2A>`.

To create an exact copy of the `**DataSet**` that includes both schema and data, use the `<xref:System.Data.DataSet.Copy%2A>` method of the `**DataSet**`. The following code example shows how to create an exact copy of the `**DataSet**`.

```

```vb
Dim copyDataSet As DataSet = customerDataSet.Copy()
```

```

```

```csharp
DataSet copyDataSet = customerDataSet.Copy();
```

```

To create a copy of a **DataSet** that includes schema and only the data representing **Added**, **Modified**, or **Deleted** rows, use the [System.Data.DataSet.GetChanges](#) method of the **DataSet**. You can also use **GetChanges** to return only rows with a specified row state by passing a **DataRowState** value when calling **GetChanges**. The following code example shows how to pass a **DataRowState** when calling **GetChanges**.

```

```vb
' Copy all changes.
Dim changeDataSet As DataSet = customerDataSet.GetChanges()
' Copy only new rows.
Dim addedDataSetAs DataSet = _
    customerDataSet.GetChanges(DataRowState.Added)
```

```

```

```csharp
// Copy all changes.
DataSet changeDataSet = customerDataSet.GetChanges();
// Copy only new rows.
DataSet addedDataSet= customerDataSet.GetChanges(DataRowState.Added);
```

```

To create a copy of a **DataSet** that only includes schema, use the [System.Data.DataSet.Clone](#) method of the **DataSet**. You can also add existing rows to the cloned **DataSet** using the **ImportRow** method of the **DataTable**. **ImportRow** adds data, row state, and row version information to the specified table. Column values are added only where the column name matches and the data type is compatible.

The following code example creates a clone of a **DataSet** and then adds the rows from the original **DataSet** to the **Customers** table in the **DataSet** clone for customers where the **CountryRegion** column has the value "Germany".

```

```vb
Dim customerDataSet As New DataSet
    customerDataSet.Tables.Add(New DataTable("Customers"))
    customerDataSet.Tables("Customers").Columns.Add("Name", GetType(String))
    customerDataSet.Tables("Customers").Columns.Add("CountryRegion", GetType(String))
    customerDataSet.Tables("Customers").Rows.Add("Juan", "Spain")
    customerDataSet.Tables("Customers").Rows.Add("Johann", "Germany")
    customerDataSet.Tables("Customers").Rows.Add("John", "UK")
```

```

```

Dim germanyCustomers As DataSet = customerDataSet.Clone()

Dim copyRows() As DataRow = _
customerDataSet.Tables("Customers").Select("CountryRegion = 'Germany'")

Dim customerTable As DataTable = germanyCustomers.Tables("Customers")
Dim copyRow As DataRow

For Each copyRow In copyRows
customerTable.ImportRow(copyRow)
Next
'''
''' csharp
DataSet customerDataSet = new DataSet();
customerDataSet.Tables.Add(new DataTable("Customers"));
customerDataSet.Tables["Customers"].Columns.Add("Name", typeof(string));
customerDataSet.Tables["Customers"].Columns.Add("CountryRegion", typeof(string));
customerDataSet.Tables["Customers"].Rows.Add("Juan", "Spain");
customerDataSet.Tables["Customers"].Rows.Add("Johann", "Germany");
customerDataSet.Tables["Customers"].Rows.Add("John", "UK");

DataSet germanyCustomers = customerDataSet.Clone();

DataRow[] copyRows =
customerDataSet.Tables["Customers"].Select("CountryRegion = 'Germany'");

DataTable customerTable = germanyCustomers.Tables["Customers"];

foreach (DataRow copyRow in copyRows)
customerTable.ImportRow(copyRow);
'''

```

## See also

- <xref:System.Data.DataSet>
- <xref:System.Data.DataTable>
- [DataSets, DataTables, and DataViews](index.md)
- [ADO.NET Overview](../ado-net-overview.md)

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---

description: "Learn more about: CertVerifyAuthenticodeLicense Function"

title: "CertVerifyAuthenticodeLicense Function"

ms.date: "03/30/2017"

api\_name:

- "CertVerifyAuthenticodeLicense"

api\_location:

- "clr.dll"

api\_type:

- "DLLExport"

ms.assetid: 00118de7-33c6-41c4-8e1f-5d5e35e0da83

topic\_type:

- "apiref"

---

# CertVerifyAuthenticodeLicense Function

Verifies the validity of an Authenticode XrML license.

## Syntax

```cpp

HRESULT CertVerifyAuthenticodeLicense (

[in] PCRYPT\_DATA\_BLOB pLicenseBlob,

[in] OPTIONAL DWORD dwFlags,

[out] PAXL\_AUTHENTICODE\_SIGNER\_INFO pSignerInfo,

```
[out] PAXL_AUTHENTICODE_TIMESTAMPER_INFO pTimestamperInfo
);
...

```

### ## Parameters

``pLicenseBlob``

[in] The Authenticode XrML license to be verified.

See the [CRYPTOAPI\_BLOB](/windows/win32/api/dpapi/ns-dpapi-crypt\_integer\_blob) structure.

``dwFlags``

[in] Optional. A combination of following values:

- AXL\_REVOCACTION\_NO\_CHECK
- AXL\_REVOCACTION\_CHECK\_END\_CERT\_ONLY
- AXL\_REVOCACTION\_CHECK\_ENTIRE\_CHAIN
- AXL\_URL\_CACHE\_ONLY\_RETRIEVAL
- AXL\_LIFETIME\_SIGNING
- AXL\_TRUST\_MICROSOFT\_ROOT\_ONLY

``pSignerInfo``

[out] To receive the signer's information. If the license wasn't signed, ``dwError`` is set to TRUST\_E\_NOSIGNATURE. It is the caller's responsibility to free resources by using the [CertFreeAuthenticodeSignerInfo](certfreeauthenticodesignerinfo-function.md) function after use.

See [AXL\_AUTHENTICODE\_SIGNER\_INFO Structure](axl-authenticode-signer-info-structure.md).

``pTimestamperInfo``

[out] To receive time stamper's information, if available. If the license was not time-stamped, ``dwError`` is set to TRUST\_E\_NOSIGNATURE. It is the caller's responsibility to free resources by using the [CertFreeAuthenticodeTimestamperInfo](certfreeauthenticodetimestamperinfo-function.md) function after use.

See [AXL\_AUTHENTICODE\_TIMESTAMPER\_INFO Structure](axl-authenticode-timestamper-info-structure.md).

### ## Return Value

Returns ``S_OK`` if successful. Otherwise, returns an error code.

### ## Requirements

**\*\*Assembly\*\***: clr.dll

## See also

- [Authenticode](index.md)
- [GetHashFromHandle Method](../hosting/iclrstrongname-gethashfromhandle-method.md)
- [ICLRStrongName Interface](../hosting/iclrstrongname-interface.md)

---

description: "Learn more about: CertTimestampAuthenticodeLicense Function"

title: "CertTimestampAuthenticodeLicense Function"

ms.date: "03/30/2017"

api\_name:

- "CertTimestampAuthenticodeLicense"

api\_location:

- "clr.dll"

api\_type:

- "Dllexport"

ms.assetid: d468325a-21c5-43ce-8567-84e342b22308

topic\_type:

- "apiref"

---

# CertTimestampAuthenticodeLicense Function

Time-stamps an Authenticode XrML license.

## Syntax

```
```cpp
HRESULT CertTimestampAuthenticodeLicense (
    [in] PCRYPT_DATA_BLOB pSignedLicenseBlob,
    [in] LPCWSTR pwszTimestampURI,
    [out] PCRYPT_DATA_BLOB pTimestampSignatureBlob
);
```
```

## Parameters

`pSignedLicenseBlob`

[in] The signed Authenticode XrML license to be time-stamped. See the [CRYPTOAPI\_BLOB](/windows/win32/api/dpapi/ns-dpapi-crypt\_integer\_blob) structure.

`pwszTimestampURI`

[in] The time-stamp server's URI.

`pTimestampSignatureBlob`

[out] A pointer to CRYPT\_DATA\_BLOB to receive the base64-encoded time-stamp signature. It is the caller's responsibility to free `pTimestampSignatureBlob` with `HepFree()` after use. See the [CRYPTOAPI\_BLOB](/windows/win32/api/dpapi/ns-dpapi-crypt\_integer\_blob) structure.

## ## Remarks

The time-stamp signature is actually a PKCS #7 SignedData message whose content is the binary form of the SignatureValue from the license's signature. Basically, this acts as a counter-signature of the license.

## ## Return Value

`S\_OK` if the function succeeds. Otherwise, returns an error code.

## ## Requirements

**\*\*Assembly\*\***: clr.dll

## ## See also

- [Authenticode](index.md)

---

title: "Assembly Binding Redirection Security Permission"

description: Learn about the security permission required for explicit assembly binding redirection in an application configuration file in .NET.

ms.date: "03/30/2017"

helpviewer\_keywords:

- "side-by-side execution, assembly binding redirection"
- "assemblies [.NET Framework], binding redirection"

ms.assetid: 24a5cdff-7ed9-4195-93f3-edf6899019fc

---

### # Assembly Binding Redirection Security Permission

Explicit assembly binding redirection in an application configuration file requires a security permission. This applies to redirection of .NET Framework assemblies and assemblies from third parties. The permission is granted by setting the `<xref:System.Security.Permissions.SecurityPermissionFlag>` flag on the `<xref:System.Security.Permissions.SecurityPermission>`. Managed assemblies have no permissions by default.

The security permission is granted to applications running in the Trusted Zone (local machine) and Intranet Zone. Applications running in the Internet Zone are strictly prohibited from performing assembly binding redirection.

The permission is not required if assembly redirection is performed in a publisher policy file that is controlled by the component publisher, or in the machine configuration file that is controlled by the administrator. However, the permission is required for an application to explicitly ignore publisher policy using the `[<publisherPolicy apply="no"/>](./file-schema/runtime/publisherpolicy-element.md)` element in the application configuration file.

The following table shows the default security settings for the **\*\*BindingRedirects\*\*** flag.

| [Zone BindingRedirects flag setting  |
|--------------------------------------|
| ----- -----                          |
| [Trusted Zone (local machine)]**ON** |
| [Intranet Zone]**ON**                |
| [Internet Zone]**OFF**               |

[Untrusted zones]\*\*OFF\*\*|

An administrator can change these security settings to support or restrict specific scenarios on a given computer. There are no tools for changing the **BindingRedirects** flag setting from the default; an administrator must manually edit the Security.config file on a user's computer.

## See also

- [Publisher Policy Files and Side-by-Side Execution](/previous-versions/dotnet/netframework-4.0/06d2bae3(v=vs.100))
- [How to: Enable and Disable Automatic Binding Redirection](how-to-enable-and-disable-automatic-binding-redirection.md)
- [Side-by-Side Execution](../deployment/side-by-side-execution.md)

---

description: "Learn more about: BC32053: Copying the value of 'ByRef' parameter '<parametername>' back to the matching argument narrows from type '<typename1>' to type '<typename2>'"

title: "Copying the value of 'ByRef' parameter '<parametername>' back to the matching argument narrows from type '<typename1>' to type '<typename2>'"

ms.date: 07/20/2015

f1\_keywords:

- "bc32053"
- "vbc32053"

helpviewer\_keywords:

- "BC32053"

ms.assetid: 281564b7-99f7-451f-b10d-f985e831bb25

---

# BC32053: Copying the value of 'ByRef' parameter '<parametername>' back to the matching argument narrows from type '<typename1>' to type '<typename2>'

A procedure is called with an argument that widens to the corresponding parameter type, and the conversion from the parameter to the argument is narrowing.

When you define a class or structure, you can define one or more conversion operators to convert that class or structure type to other types. You can also define reverse conversion operators to convert those other types back to your class or structure type. When you use your class or structure type in a procedure call, Visual Basic can use these conversion operators to convert the type of an argument to the type of its corresponding parameter.

If you pass the argument [ByRef](../modifiers/byref.md), Visual Basic sometimes copies the argument value into a local variable in the procedure instead of passing a reference. In such a case, when the procedure returns, Visual Basic must then copy the local variable value back into the argument in the calling code.

If a `ByRef` argument value is copied into the procedure and the argument and parameter are of the same type, no conversion is necessary. But if the types are different, Visual Basic must convert in both directions. If one of the types is your class or structure type, Visual Basic must convert it both to and from the other type. If one of these conversions is widening, the reverse conversion might be narrowing.

**Error ID:** BC32053

## To correct this error

- If possible, use a calling argument of the same type as the procedure parameter, so Visual Basic does not need to do any conversion.
- If you need to call the procedure with an argument type different from the parameter type but do not need to return a value into the calling argument, define the parameter to be [ByVal](../modifiers/byval.md) instead of `ByRef`.
- If you need to return a value into the calling argument, define the reverse conversion operator as [Widening](../modifiers/widening.md), if possible.

## See also

- [Procedures](../programming-guide/language-features/procedures/index.md)
- [Procedure Parameters and Arguments](../programming-guide/language-features/procedures/procedure-parameters-and-arguments.md)
- [Passing Arguments by Value and by Reference](../programming-guide/language-features/procedures/passing-arguments-by-value-and-by-reference.md)
- [Operator Procedures](../programming-guide/language-features/procedures/operator-procedures.md)
- [Operator Statement](../statements/operator-statement.md)
- [How to: Define an Operator](../programming-guide/language-features/procedures/how-to-define-an-operator.md)
- [How to: Define a Conversion Operator](../programming-guide/language-features/procedures/how-to-define-a-conversion-operator.md)
- [Type Conversions in Visual Basic](../programming-guide/language-features/data-types/type-conversions.md)
- [Widening and Narrowing Conversions](../programming-guide/language-features/data-types/widening-and-narrowing-conversions.md)

---

description: "Learn more about: Copying Document Fragments"

title: "Copying Document Fragments"

ms.date: "03/30/2017"

ms.assetid: cf424bbe-81b7-40d2-9978-9b727da94d80

---

# Copying Document Fragments

You can create an `XmlDocumentFragment` node and then add nodes under it. When the `XmlDocumentFragment` is inserted with the `InsertNode` method, the `XmlDocumentFragment` node is not copied, but its child nodes are inserted in the XML Document Object Model (DOM).

## See also

- [XML Document Object Model (DOM)](xml-document-object-model-dom.md)

---

title: Copyright Information for POS for .NET v1.14.1 (Microsoft Point of Service for .NET)

description: Copyright Information for POS for .NET v1.14.1 (Microsoft Point of Service for .NET) (POS for .NET v1.14 SDK Documentation)

ms.date: 04/21/2017

ms.topic: how-to

ms.custom: "pos-restored-from-archive,UpdateFrequency5"

---

# Copyright Information for POS for .NET v1.14.1 (Microsoft Point of Service for .NET)

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---

title: "Lc.exe (License Compiler)"

description: Use Lc.exe, the License Compiler. This tool reads text files that have licensing information and makes a binary file to embed in a CLR executable as a resource.

ms.date: "03/30/2017"

helpviewer\_keywords:

- "Lc.exe"
- ".licx file"
- "License Compiler"
- "control licenses [Windows Forms]"
- "compiling licenses file"
- "license file"
- ".licenses file"
- "Windows Forms, control licenses"
- "licensed controls [Windows Forms]"

ms.assetid: 2de803b8-495e-4982-b209-19a72aba0460

---

# Lc.exe (License Compiler)

The License Compiler reads text files that contain licensing information and produces a binary file that can be embedded in a common language runtime executable as a resource.

A .licx text file is automatically generated or updated by the Windows Forms Designer whenever a licensed control is added to the form. As part of compilation, the project system will transform the .licx text file into a .licenses binary resource that provides support for .NET control licensing. The binary resource will then be embedded in the project output.

Cross compilation between 32-bit and 64-bit is not supported when you use the License Compiler when building your project. This is because the License Compiler has to load assemblies, and loading 64-bit assemblies from a 32-bit application is not allowed, and vice versa. In this case, use the License Compiler from the command line to compile the license manually, and specify the corresponding architecture.

This tool is automatically installed with Visual Studio. To run the tool, use [Visual Studio Developer Command Prompt or Visual Studio Developer PowerShell](/visualstudio/ide/reference/command-prompt-powershell).

At the command prompt, type the following:

## ## Syntax

```
```console
```

```
lc /target:  
targetPE /complist:filename [-outdir:path]  
/i:modules [/nologo] [/v]  
```
```

| Option | Description |
|--------|-------------|
|--------|-------------|

|       |       |
|-------|-------|
| ----- | ----- |
|-------|-------|

|                         |                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| */complist:* *filename* | Specifies the name of a file that contains the list of licensed components to include in the .licenses file. Each component is referenced using its full name with only one component per line.<br /><br /> Command-line users can specify a separate file for each form in the project. Lc.exe accepts multiple input files and produces a single .licenses file. |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|             |                                                   |
|-------------|---------------------------------------------------|
| */h*[*elp*] | Displays command syntax and options for the tool. |
|-------------|---------------------------------------------------|

|                |                                                                                                                                             |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| */i:* *module* | Specifies the modules that contain the components listed in the */complist* file. To specify more than one module, use multiple */i* flags. |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------|

|           |                                                  |
|-----------|--------------------------------------------------|
| */nologo* | Suppresses the Microsoft startup banner display. |
|-----------|--------------------------------------------------|

|                   |                                                                      |
|-------------------|----------------------------------------------------------------------|
| */outdir:* *path* | Specifies the directory in which to place the output .licenses file. |
|-------------------|----------------------------------------------------------------------|

|                       |                                                                           |
|-----------------------|---------------------------------------------------------------------------|
| */target:* *targetPE* | Specifies the executable for which the .licenses file is being generated. |
|-----------------------|---------------------------------------------------------------------------|

|      |                                                                    |
|------|--------------------------------------------------------------------|
| */v* | Specifies verbose mode; displays compilation progress information. |
|------|--------------------------------------------------------------------|

|             |                                     |
|-------------|-------------------------------------|
| */@* *file* | Specifies the response (.rsp) file. |
|-------------|-------------------------------------|

|      |                                                   |
|------|---------------------------------------------------|
| */?* | Displays command syntax and options for the tool. |
|------|---------------------------------------------------|

## ## Example

1. If you are using a licensed control `MyCompany.Samples.LicControl1` contained in `Samples.DLL` in an application called `HostApp.exe`, you can create `HostAppLic.txt` that contains the following.

```
```text
```

```
MyCompany.Samples.LicControl1, Samples.DLL
```

```
```
```

2. Create the .licenses file called `HostApp.exe.licenses` using the following command.

```
```console
```

```
lc /target:HostApp.exe /complist:hostapplic.txt /i:Samples.DLL /outdir:c:\bindir
```

```
```
```

3. Build `HostApp.exe` including the .licenses file as a resource. If you were building a C# application you would use the following command to build your application.

```
```console
```

```
csc /res:HostApp.exe.licenses /out:HostApp.exe *.cs
---
```

The following command compiles `myApp.licenses` from the lists of licensed components specified by `hostapplic.txt`, `hostapplic2.txt` and `hostapplic3.txt`. The `modulesList` argument specifies the modules that contain the licensed components.

```
```console
lc /target:myApp /complist:hostapplic.txt /complist:hostapplic2.txt /complist: hostapplic3.txt /i:modulesList
---
```

### ## Response File Example

The following listing shows an example of a response file, `response.rsp`. For more information on response files, see [Response Files](/visualstudio/msbuild/msbuild-response-files).

```
```text
/target:hostapp.exe
/complist:hostapplic.txt
/i:WFCPrj.dll
/outdir:"C:\My Folder"
---
```

The following command line uses the `response.rsp` file.

```
```console
lc @response.rsp
---
```

### ## See also

- [Tools](index.md)
- [AL.exe (Assembly Linker)](al-exe-assembly-linker.md)
- [Developer command-line shells](/visualstudio/ide/reference/command-prompt-powershell)

---

description: "Learn more about: <permission> (Visual Basic)"

title: "<permission>"

ms.date: 07/20/2015

helpviewer\_keywords:

- "<permission> XML tag"
- "permission XML tag"

ms.assetid: 0edf0500-5cd7-49c0-9255-64c48f972b77

---

# \<permission> (Visual Basic)

Specifies a required permission for the member.

### ## Syntax

```
```xml
<permission cref="member">description</permission>
```
```

## ## Parameters

``member``

A reference to a member or field that is available to be called from the current compilation environment. The compiler checks that the given code element exists and translates ``member`` to the canonical element name in the output XML. Enclose ``member`` in quotation marks (" ").

``description``

A description of the access to the member.

## ## Remarks

Use the `<permission>` tag to document the access of a member. Use the `<xref:System.Security.Permissions.PermissionSet>` class to specify access to a member.

Compile with `[-doc](../reference/command-line-compiler/doc.md)` to process documentation comments to a file.

## ## Example

This example uses the `<permission>` tag to describe that the `<xref:System.Security.Permissions.FileIOPermission>` is required by the ``ReadFile`` method.

[!code-

```
vb[VbVbcnXmlDocComments#7](~/samples/snippets/visualbasic/VS_Snippets_VBCSharp/VbVbcnXmlDocComments/VB/Class1.vb#7)]
```

## ## See also

- [XML Comment Tags](index.md)

---

title: "Copying and Pinning"

description: Review how the interop marshaller can copy or pin data that's being marshalled. Copying data places a copy of data from one memory location into another location.

ms.date: 05/12/2022

helpviewer\_keywords:

- "pinning, interop marshalling"
- "copying, interop marshalling"
- "interop marshalling, copying"
- "interop marshalling, pinning"

ms.assetid: 0059f576-e460-4e70-b257-668870e420b8

---

# Copying and Pinning

When marshalling data, the interop marshaller can copy or pin the data being marshalled. Copying the data places a copy of data from one memory location in another memory location. The following illustration shows the differences between copying a value type and copying a type passed by reference from managed to unmanaged memory.

![Diagram that shows how value and reference types are copied.](./media/copying-and-pinning/interop-marshall-copy.gif)

Method arguments passed by value are marshalled to unmanaged code as values on the stack. The copying process is direct. Arguments passed by reference are passed as pointers on the stack. Reference types are also passed by value and by reference. As the following illustration shows, reference types passed by value are either copied or pinned:

![Diagram showing reference types passed by value and by reference.](./media/copying-and-pinning/interop-marshall-reference-pin.gif)

Pinning temporarily locks the data in its current memory location, thus keeping it from being relocated by the common language runtime's garbage collector. The marshaller pins data to reduce the overhead of copying and enhance performance. The type of the data determines whether it is copied or pinned during the marshalling process. Pinning is automatically performed during marshalling for objects such as `<xref:System.String>`, however you can also manually pin memory using the `<xref:System.Runtime.InteropServices.GCHandle>` class.

#### ## Formatted Blittable Classes

Formatted [blittable](blittable-and-non-blittable-types.md) classes have fixed layout (formatted) and common data representation in both managed and unmanaged memory. When these types require marshalling, a pointer to the object in the heap is passed to the callee directly. The callee can change the contents of the memory location being referenced by the pointer.

> [!NOTE]

> The callee can change the memory contents if the parameter is marked Out or In/Out. In contrast, the callee should avoid changing the contents when the parameter is set to marshal as In, which is the default for formatted blittable types. Modifying an In object generates problems when the same class is exported to a type library and used to make cross-apartment calls.

#### ## Formatted Non-Blittable Classes

Formatted [non-blittable](blittable-and-non-blittable-types.md) classes have fixed layout (formatted) but the data representation is different in managed and unmanaged memory. The data can require transformation under the following conditions:

- If a non-blittable class is marshalled by value, the callee receives a pointer to a copy of the data structure.
- If a non-blittable class is marshalled by reference, the callee receives a pointer to a pointer to a copy of the data structure.
- If the `<xref:System.Runtime.InteropServices.InAttribute>` attribute is set, this copy is always initialized with the instance's state, marshalling as necessary.

- If the `<xref:System.Runtime.InteropServices.OutAttribute>` attribute is set, the state is always copied back to the instance on return, marshalling as necessary.

- If both `**InAttribute**` and `**OutAttribute**` are set, both copies are required. If either attribute is omitted, the marshaller can optimize by eliminating either copy.

## ## Reference Types

Reference types can be passed by value or by reference. When they are passed by value, a pointer to the type is passed on the stack. When passed by reference, a pointer to a pointer to the type is passed on the stack.

Reference types have the following conditional behavior:

- If a reference type is passed by value and it has members of non-blittable types, the types are converted twice:

- When an argument is passed to the unmanaged side.

- On return from the call.

To avoid unnecessarily copying and conversion, these types are marshalled as In parameters. You must explicitly apply the `**InAttribute**` and `**OutAttribute**` attributes to an argument for the caller to see changes made by the callee.

- If a reference type is passed by value and it has only members of blittable types, it can be pinned during marshalling and any changes made to the members of the type by the callee are seen by the caller. Apply `**InAttribute**` and `**OutAttribute**` explicitly if you want this behavior. Without these directional attributes, the interop marshaller does not export directional information to the type library (it exports as In, which is the default) and this can cause problems with COM cross-apartment marshalling.

- If a reference type is passed by reference, it will be marshalled as In/Out by default.

## ## System.String and System.Text.StringBuilder

When data is marshalled to unmanaged code by value or by reference, the marshaller typically copies the data to a secondary buffer (possibly converting character sets during the copy) and passes a reference to the buffer to the callee. Unless the reference is a `**BSTR**` allocated with `**SysAllocString**`, the reference is always allocated with `**CoTaskMemAlloc**`.

As an optimization when either `<xref:System.String>` or `<xref:System.Text.StringBuilder>` is marshalled by value (such as a Unicode character string), the marshaller passes the callee a direct pointer to managed strings in the internal Unicode buffer instead of copying it to a new buffer.

> [!CAUTION]

> When a string is passed by value, the callee must never alter the reference passed by the marshaller. Doing so can corrupt the managed heap.

When a `<xref:System.String?displayProperty=nameWithType>` is passed by reference, the marshaller copies the

contents of the string to a secondary buffer before making the call. It then copies the contents of the buffer into a new string on return from the call. This technique ensures that the immutable managed string remains unaltered.

When a `<xref:System.Text.StringBuilder?displayProperty=nameWithType>` is passed by value, the marshaller passes a reference to a temporary copy of the internal buffer of the `**StringBuilder**` to the caller. The caller and callee must agree on the size of the buffer. The caller is responsible for creating a `**StringBuilder**` of adequate length. The callee must take the necessary precautions to ensure that the buffer is not overrun. `**StringBuilder**` is an exception to the rule that reference types passed by value are passed as ``In`` parameters by default. ``StringBuilder`` is always passed as ``In`/`Out``.

## See also

- [Default Marshalling Behavior](default-marshalling-behavior.md)
- [Directional Attributes](/previous-versions/dotnet/netframework-4.0/77e6taeh(v=vs.100))
- [Interop Marshaling](interop-marshalling.md)

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description: "Learn more about: BC41999: Implicit conversion from '<typename1>' to '<typename2>' in copying the value of 'ByRef' parameter '<parametername>' back to the matching argument."

title: "Implicit conversion from '<typename1>' to '<typename2>' in copying the value of 'ByRef' parameter '<parametername>' back to the matching argument."

ms.date: 07/20/2015

f1\_keywords:

- "vbc41999"

- "bc41999"

helpviewer\_keywords:

- "BC41999"

ms.assetid: ae48c738-dff8-4c0f-8931-bbb70b2c8b03

---

# BC41999: Implicit conversion from "\<typename1>" to "\<typename2>" in copying the value of 'ByRef' parameter "\<parametername>" back to the matching argument.

A procedure is called with a [ByRef](../modifiers/byref.md) argument of a different type than that of its corresponding parameter.

If you pass an argument `ByRef`, Visual Basic sometimes copies the argument value into a local variable in the procedure instead of passing a reference. In such a case, when the procedure returns, Visual Basic must then copy the local variable value back into the argument in the calling code.

If a `ByRef` argument value is copied into the procedure and the argument and parameter are of the same type, no conversion is necessary. But if the types are different, Visual Basic must convert in both directions. Because you cannot use `CType` or any of the other conversion keywords on a procedure argument or parameter, such a conversion is always implicit.

By default, this message is a warning. For information on hiding warnings or treating warnings as errors, see [\[Configuring Warnings in Visual Basic\]\(/visualstudio/ide/configuring-warnings-in-visual-basic\)](#).

**Error ID:** BC41999

**To correct this error**

- If possible, use a calling argument of the same type as the procedure parameter, so Visual Basic does not need to do any conversion.
- If you need to call the procedure with an argument type different from the parameter type but do not need to return a value into the calling argument, define the parameter to be `[ByVal](../modifiers/byval.md)` instead of `ByRef`.

**See also**

- [\[Procedures\]\(../programming-guide/language-features/procedures/index.md\)](#)
- [\[Procedure Parameters and Arguments\]\(../programming-guide/language-features/procedures/procedure-parameters-and-arguments.md\)](#)
- [\[Passing Arguments by Value and by Reference\]\(../programming-guide/language-features/procedures/passing-arguments-by-value-and-by-reference.md\)](#)
- [\[Implicit and Explicit Conversions\]\(../programming-guide/language-features/data-types/implicit-and-explicit-conversions.md\)](#)

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description: "Learn more about: Copying Existing Nodes from One Document to Another"

title: "Copying Existing Nodes from One Document to Another"

ms.date: "03/30/2017"

ms.assetid: 3caa78c1-3448-4b7b-b83c-228ee857635e

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# Copying Existing Nodes from One Document to Another

The `ImportNode` method is the mechanism by which a node or entire node subtree is copied from one `XmlDocument` to another. The node returned from the call is a copy of the node from the source document, including attribute values, the node name, node type, and all namespace-related attributes such as the prefix, local name, and namespace Uniform Resource Identifier (URI). The source document is not changed. After you have imported the node, you still have to add it to the tree using one of the methods used to insert nodes.

When the node is attached to its new document, the new document owns the node. The reason is that each node, when created, has an owning document, even if the nodes are created in separate document fragments. This is a requirement of the XML Document Object Model (DOM) and is enforced by the factory creation design on the `XmlDocument` class. For example, `CreateElement`, is the only way to create new nodes.

Depending on the node type of the imported node and the value of the `deep` parameter, additional information is

copied as appropriate. This method attempts to mirror the behavior expected if a fragment of XML or HTML source was copied from one document to another, accounting for the fact that for XML, the two documents may have different document type definitions (DTDs).

The following table describes the specific behavior for each type of node that can be imported.

| [Node Type]                | *deep* parameter is true                                                                                                                                                                                                                                                                        | *deep* parameter is false                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [XmlAttribute]             | The <xref:System.Xml.XmlAttribute.Specified%2A> is set to <b>true</b> on the XmlAttribute. The descendants of the source <b>XmlAttribute</b> are recursively imported and the resulting nodes reassembled to form the corresponding subtree.                                                    | The <b>*deep*</b> parameter does not apply to <b>XmlAttribute</b> nodes, because they always carry their child nodes with them when imported.                                                                                                                                                                                             |
| [XmlCDATASection]          | Copies the node, including its data.                                                                                                                                                                                                                                                            | Copies the node, including its data.                                                                                                                                                                                                                                                                                                      |
| [XmlComment]               | Copies the node, including its data.                                                                                                                                                                                                                                                            | Copies the node, including its data.                                                                                                                                                                                                                                                                                                      |
| [XmlDocumentFragment]      | The descendants of the source node are recursively imported and the resulting nodes reassembled to form the corresponding subtree.                                                                                                                                                              | An empty <b>XmlDocumentFragment</b> is created.                                                                                                                                                                                                                                                                                           |
| [XmlDocumentType]          | Copies the node, including its data.                                                                                                                                                                                                                                                            | Copies the node, including its data.                                                                                                                                                                                                                                                                                                      |
| [XmlElement]               | The descendants of the source element are recursively imported and the resulting nodes reassembled to form the corresponding subtree. <b>Note:</b> Default attributes are not copied. If the document being imported into defines default attributes for this element name, those are assigned. | Specified attribute nodes of the source element are imported, and the generated <b>XmlAttribute</b> nodes are attached to the new element. The descendant nodes are not copied. <b>Note:</b> Default attributes are not copied. If the document being imported into defines default attributes for this element name, those are assigned. |
| [XmlEntityReference]       | Because the source and destination documents could have the entities defined differently, this method only copies the <b>XmlEntityReference</b> node. The replacement text is not included. If the destination document has the entity defined, its value is assigned.                          | Because the source and destination documents could have the entities defined differently, this method only copies the <b>XmlEntityReference</b> node. The replacement text is not included. If the destination document has the entity defined, its value is assigned.                                                                    |
| [XmlProcessingInstruction] | Copies the target and data value from the imported node.                                                                                                                                                                                                                                        | Copies the target and data value from the imported node.                                                                                                                                                                                                                                                                                  |
| [XmlText]                  | Copies the node, including its data.                                                                                                                                                                                                                                                            | Copies the node, including its data.                                                                                                                                                                                                                                                                                                      |
| [XmlSignificantWhitespace] | Copies the node, including its data.                                                                                                                                                                                                                                                            | Copies the node, including its data.                                                                                                                                                                                                                                                                                                      |
| [XmlWhitespace]            | Copies the node, including its data.                                                                                                                                                                                                                                                            | Copies the node, including its data.                                                                                                                                                                                                                                                                                                      |
| [XmlDeclaration]           | Copies the target and data value from the imported node.                                                                                                                                                                                                                                        | Copies the target and data value from the imported node.                                                                                                                                                                                                                                                                                  |
| [All other node types]     | These node types cannot be imported.                                                                                                                                                                                                                                                            | These node types cannot be imported.                                                                                                                                                                                                                                                                                                      |

> [!NOTE]

> Although DocumentType nodes can be imported, a document can only have one DocumentType. So, once you have imported the document type, before inserting it into tree you have to make sure that there is no document type in the document. For information on removing nodes, see [Removing Nodes, Content, and Values from an XML Document](removing-nodes-content-and-values-from-an-xml-document.md).

## See also

- [XML Document Object Model (DOM)](xml-document-object-model-dom.md)

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title: "Permission denied"  
ms.date: 07/20/2015  
f1\_keywords:  
- "vbrID70"  
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3. To access the registry, check that your user permissions include this type of registry access.

## See also

- [Error Types](../../programming-guide/language-features/error-types.md)

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# 1.260 human-signals 2.1.0

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# 1.262 v8-to-istanbul 9.0.1

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# 1.263 is-fullwidth-code-point 3.0.0

## 1.264 p-map 4.0.0

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## 1.270 @sinonjs/fake-timers 9.1.2

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## 1.274 json-web-token-support-for-the-jvm

### 0.9.1

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Found in path(s):

```
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/DefaultJwtParser.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/JwtException.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/crypto/SignerFactory.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/UnsupportedJwtException.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/DefaultJwsHeader.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/lang/RuntimeEnvironment.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/lang/InstantiationException.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/Base64UrlCodec.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/JwtHandler.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/MalformedJwtException.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/lang/Strings.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/DefaultClaims.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/Jwts.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/crypto/DefaultSignerFactory.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/JwtHandlerAdapter.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/DefaultJwtBuilder.java
```

\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/crypto/RsaSigner.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/lang/Assert.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/lang/Objects.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/JwsHeader.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/TextCodec.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/crypto/DefaultJwtSigner.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/Base64Codec.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/crypto/MacSigner.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/RequiredTypeException.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/lang/Classes.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/crypto/MacProvider.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/crypto/RsaSignatureValidator.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/Jws.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/crypto/SignatureValidator.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/lang/Collections.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/JwtBuilder.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/JwtMap.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/DefaultJws.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/SigningKeyResolverAdapter.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/Claims.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/crypto/JwtSignatureValidator.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/PrematureJwtException.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/JwtParser.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/crypto/JwtSigner.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/SignatureException.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/Jwt.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/DefaultJwt.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/impl/crypto/MacValidator.java  
\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/SignatureAlgorithm.java

```
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/crypto/DefaultJwtSignatureValidator.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/Header.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-jar/io/jsonwebtoken/ClaimsMutator.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/SigningKeyResolver.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/crypto/RsaProvider.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/crypto/SignatureProvider.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/crypto/Signer.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/ExpiredJwtException.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/ClaimJwtException.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/AbstractTextCodec.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/crypto/SignatureValidatorFactory.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/DefaultHeader.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/crypto/DefaultSignatureValidatorFactory.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/lang/UnknownClassException.java
```

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Found in path(s):

```
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/compression/GzipCompressionCodec.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
```

```
jar/io/jsonwebtoken/IncorrectClaimException.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/DefaultTextCodecFactory.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/crypto/EllipticCurveSigner.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/compression/DeflateCompressionCodec.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/compression/DefaultCompressionCodecResolver.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/CompressionCodec.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/crypto/EllipticCurveProvider.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/TextCodecFactory.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/compression/AbstractCompressionCodec.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/compression/CompressionCodecs.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/AndroidBase64Codec.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/impl/crypto/EllipticCurveSignatureValidator.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/InvalidClaimException.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/MissingClaimException.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/CompressionException.java
* /opt/cola/permits/1162862830_1674875053.094722/0/jjwt-0-9-1-sources-
jar/io/jsonwebtoken/CompressionCodecResolver.java
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\* /opt/cola/permits/1162862830\_1674875053.094722/0/jjwt-0-9-1-sources-jar/META-INF/maven/io.jsonwebtoken/jjwt/pom.xml

## 1.275 dayjs 1.11.5

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## 1.276 array prototype flat 1.3.0

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## 1.277 microsoft.testplatform.adapterutilities

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\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/database/orm/HibernateQueryProvider.java  
\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/database/orm/JpaNativeQueryProvider.java  
\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/WriteFailedException.java  
\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/database/ItemSqlParameterSourceProvider.java  
\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/database/orm/HibernateNativeQueryProvider.java  
\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/database/orm/JpaQueryProvider.java  
\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/WriterNotOpenException.java  
\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/support/transaction/FlushFailedException.java  
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\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/ReaderNotOpenException.java  
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jar/org/springframework/batch/item/database/builder/HibernateItemWriterBuilder.java
```

```
*/opt/cola/permits/1660945379_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-
jar/org/springframework/batch/item/database/builder/JpaPagingItemReaderBuilder.java
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\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/database/HibernateItemReaderHelper.java  
\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/xml/stax/DefaultFragmentEventReader.java  
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\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/mail/javamail/MimeMessageItemWriter.java

\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/mail/SimpleMailMessageItemWriter.java

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\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-jar/org/springframework/batch/item/data/Neo4jItemReader.java  
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jar/org/springframework/batch/item/amqp/AmqpItemWriter.java  
\* /opt/cola/permits/1660945379\_1683047939.3453693/0/spring-batch-infrastructure-4-3-8-sources-  
jar/org/springframework/batch/item/data/Neo4jItemWriter.java  
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## 1.285 babel-plugin-syntax-optional-chaining

### 7.8.3

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## 1.294 txw2-runtime 2.3.8

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type
`show w'. This is free software, and you are welcome to redistribute
it under certain conditions; type `show c' for details.
```

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```
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program `Gnomovision' (which makes passes at compilers) written by
James Hacker.
```

```
signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice
```

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## 1.307 aws-java-sdk-for-aws-lambda 1.12.455

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 */
/**
 * <p>
 * Grants an Amazon Web Service, Amazon Web Services account, or Amazon Web Services organization
 * permission to use
 * a function. You can apply the policy at the function level, or specify a qualifier to restrict access to a single
 * version or alias. If you use a qualifier, the invoker must use the full Amazon Resource Name (ARN) of that
 * version or alias to invoke the function. Note: Lambda does not support adding policies to version $LATEST.
 * </p>
 * <p>
 * To grant permission to another account, specify the account ID as the <code>Principal</code>. To grant
 * permission
```

\* to an organization defined in Organizations, specify the organization ID as the `PrincipalOrgID`.

For

- \* Amazon Web Services, the principal is a domain-style identifier that the service defines, such as
- \* `s3.amazonaws.com` or `sns.amazonaws.com`. For Amazon Web Services, you can also specify
- \* the ARN of the associated resource as the `SourceArn`. If you grant permission to a service principal
- \* without specifying the source, other accounts could potentially configure resources in their account to invoke
- \* your Lambda function.

\* `</p>`

\* `<p>`

- \* This operation adds a statement to a resource-based permissions policy for the function. For more information
- \* about function policies, see [Using resource-based](https://docs.aws.amazon.com/lambda/latest/dg/access-control-resource-based.html)
- \* policies for Lambda.

\* `</p>`

\* `<p>`

- \* `@param addPermissionRequest`
- \* `@return` A Java Future containing the result of the AddPermission operation returned by the service.
- \* `@sample` AWSLambdaAsync.AddPermission
- \* `@see` <http://docs.aws.amazon.com/goto/WebAPI/lambda-2015-03-31/AddPermission>

target="\_top">AWS API

- \* Documentation
- \*/

/\*\*

- \* `<p>`
- \* Creates a Lambda function. To create a function, you need a [deployment package](https://docs.aws.amazon.com/lambda/latest/dg/gettingstarted-package.html)
- \* and an [execution role](https://docs.aws.amazon.com/lambda/latest/dg/intro-permission-model.html#lambda-intro-execution-role). The deployment package is a .zip file archive or container image that contains your function
- \* code. The execution role grants the function permission to use Amazon Web Services, such as Amazon

CloudWatch

- \* Logs for log streaming and X-Ray for request tracing.

\* `</p>`

\* `<p>`

- \* If the deployment package is a [container image](https://docs.aws.amazon.com/lambda/latest/dg/lambda-images.html), then you set
- \* the
- \* package type to `Image`. For a container image, the code property must include the URI of a
- \* container
- \* image in the Amazon ECR registry. You do not need to specify the handler and runtime properties.

\* `</p>`

\* `<p>`

- \* If the deployment package is a [---

Open Source Used In Interact 1.0 1369](https://docs.aws.amazon.com/lambda/latest/dg/gettingstarted-package.html#gettingstarted-package-</a></li>
</ul>
</div>
<div data-bbox=)

zip".zip

- \* file archive
- \* then you set the package type to `Zip`. For a .zip file archive, the code property
- \* specifies the location of the .zip file. You must also specify the handler and runtime properties. The code in
- \* the deployment package must be compatible with the target instruction set architecture of the function (
- \* `x86-64` or `arm64`). If you do not specify the architecture, then the default value is
- \* `x86-64`.

- \* When you create a function, Lambda provisions an instance of the function and its supporting resources. If your
- \* function connects to a VPC, this process can take a minute or so. During this time, you can't invoke or modify
- \* the function. The `State`, `StateReason`, and `StateReasonCode`

fields in the

- \* response from `GetFunctionConfiguration` indicate when the function is ready to invoke. For more
- \* information, see [Lambda](https://docs.aws.amazon.com/lambda/latest/dg/functions-states.html)

function

- \* `states`.

- \* A function has an unpublished version, and can have published versions and aliases. The unpublished version
- \* changes when you update your function's code and configuration. A published version is a snapshot of your
- \* function code and configuration that can't be changed. An alias is a named resource that maps to a version, and
- \* can be changed to map to a different version. Use the `Publish` parameter to create version
- \* `1` of your function from its initial configuration.

- \* The other parameters let you configure version-specific and function-level settings. You can modify
- \* version-specific settings later with `UpdateFunctionConfiguration`. Function-level settings apply to both
- \* the unpublished and published versions of the function, and include tags (`TagResource`) and per-

function

- \* concurrency limits (`PutFunctionConcurrency`).

- \* You can use code signing if your deployment package is a .zip file archive. To enable code signing for this
  - \* function, specify the ARN of a code-signing configuration. When a user attempts to deploy a code package with
  - \* `UpdateFunctionCode`, Lambda checks that the code package has a valid signature from a trusted
- publisher.

- \* The code-signing configuration includes set of signing profiles, which define the trusted publishers for this
- \* function.

- \* If another Amazon Web Services account or an Amazon Web Service invokes your function, use

`AddPermission`

- \* to grant permission by creating a resource-based Identity and Access Management (IAM) policy. You can grant
- \* permissions at the function level, on a version, or on an alias.

- \* To invoke your function directly, use `Invoke`. To invoke your function in response to events in other
- \* Amazon Web Services, create an event source mapping (`CreateEventSourceMapping`), or configure a

```

function
    * trigger in the other service. For more information, see <a
    * href="https://docs.aws.amazon.com/lambda/latest/dg/lambda-invocation.html">Invoking Lambda
functions</a>.
    * </p>
    *
    * @param createFunctionRequest
    * @return A Java Future containing the result of the CreateFunction operation returned by the service.
    * @sample AWSLambdaAsync.CreateFunction
    * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/lambda-2015-03-31/CreateFunction"
target="_top">AWS API
    * Documentation</a>
    */
/**
    * <p>
    * Creates a <a href="https://docs.aws.amazon.com/lambda/latest/dg/versioning-aliases.html">version</a> from
the
    * current code and configuration of a function. Use versions to create a snapshot of your function code and
    * configuration that doesn't change.
    * </p>
    * <p>
    * Lambda doesn't publish a version if the function's configuration and code haven't changed since the last version.
    * Use <a>UpdateFunctionCode</a> or <a>UpdateFunctionConfiguration</a> to update the function before
publishing a
    * version.
    * </p>
    * <p>
    * Clients can invoke versions directly or with an alias. To create an alias, use <a>CreateAlias</a>.
    * </p>
    *
    * @param publishVersionRequest
    * @return A Java Future containing the result of the PublishVersion operation returned by the service.
    * @sample AWSLambdaAsync.PublishVersion
    * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/lambda-2015-03-31/PublishVersion"
target="_top">AWS API
    * Documentation</a>
    */

```

Found in path(s):

```

* /opt/cola/permits/1653646610_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-
jar/com/amazonaws/services/lambda/AWSLambdaAsync.java

```

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\*/

/\*\*

\* <p>

\* Grants an Amazon Web Service, Amazon Web Services account, or Amazon Web Services organization permission to use

\* a function. You can apply the policy at the function level, or specify a qualifier to restrict access to a single

\* version or alias. If you use a qualifier, the invoker must use the full Amazon Resource Name (ARN) of that

\* version or alias to invoke the function. Note: Lambda does not support adding policies to version \$LATEST.

\* </p>

\* <p>

\* To grant permission to another account, specify the account ID as the `Principal`. To grant permission

\* to an organization defined in Organizations, specify the organization ID as the `PrincipalOrgID`.

For

\* Amazon Web Services, the principal is a domain-style identifier that the service defines, such as

\* `s3.amazonaws.com` or `sns.amazonaws.com`. For Amazon Web Services, you can also specify

\* the ARN of the associated resource as the `SourceArn`. If you grant permission to a service principal

\* without specifying the source, other accounts could potentially configure resources in their account to invoke

\* your Lambda function.

\* </p>

\* <p>

\* This operation adds a statement to a resource-based permissions policy for the function. For more information

\* about function policies, see [Using resource-based](https://docs.aws.amazon.com/lambda/latest/dg/access-control-resource-based.html)

\* policies for Lambda</a>.

\* </p>

\*

\* @param addPermissionRequest

\* @return Result of the AddPermission operation returned by the service.

\* @throws ServiceException

\* The Lambda service encountered an internal error.

\* @throws ResourceNotFoundException

\* The resource specified in the request does not exist.

\* @throws ResourceConflictException

\* The resource already exists, or another operation is in progress.

\* @throws InvalidParameterValueException

```

* One of the parameters in the request is not valid.
* @throws PolicyLengthExceededException
* The permissions policy for the resource is too large. For more information, see <a
* href="https://docs.aws.amazon.com/lambda/latest/dg/gettingstarted-limits.html">Lambda quotas</a>.
* @throws TooManyRequestsException
* The request throughput limit was exceeded. For more information, see <a
* href="https://docs.aws.amazon.com/lambda/latest/dg/gettingstarted-limits.html#api-requests">Lambda
* quotas</a>.
* @throws PreconditionFailedException
* The RevisionId provided does not match the latest RevisionId for the Lambda function or alias. Call the
* <code>GetFunction</code> or the <code>GetAlias</code> API operation to retrieve the latest RevisionId
for
* your resource.
* @sample AWSLambda.AddPermission
* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/lambda-2015-03-31/AddPermission"
target="_top">AWS API
* Documentation</a>
*/
/**
* <p>
* Creates a Lambda function. To create a function, you need a <a
* href="https://docs.aws.amazon.com/lambda/latest/dg/gettingstarted-package.html">deployment package</a>
and an <a
* href="https://docs.aws.amazon.com/lambda/latest/dg/intro-permission-model.html#lambda-intro-execution-
role">
* execution role</a>. The deployment package is a .zip file archive or container image that contains your function
* code. The execution role grants the function permission to use Amazon Web Services, such as Amazon
CloudWatch
* Logs for log streaming and X-Ray for request tracing.
* </p>
* <p>
* If the deployment package is a <a
* href="https://docs.aws.amazon.com/lambda/latest/dg/lambda-images.html">container image</a>, then you set
the
* package type to <code>Image</code>. For a container image, the code property must include the URI of a
container
* image in the Amazon ECR registry. You do not need to specify the handler and runtime properties.
* </p>
* <p>
* If the deployment package is a <a
* href="https://docs.aws.amazon.com/lambda/latest/dg/gettingstarted-package.html#gettingstarted-package-
zip">.zip
* file archive</a>, then you set the package type to <code>Zip</code>. For a .zip file archive, the code property
* specifies the location of the .zip file. You must also specify the handler and runtime properties. The code in
* the deployment package must be compatible with the target instruction set architecture of the function (
* <code>x86-64</code> or <code>arm64</code>). If you do not specify the architecture, then the default value is
* <code>x86-64</code>.
* </p>

```



- \* @return Result of the CreateFunction operation returned by the service.
- \* @throws ServiceException
  - \* The Lambda service encountered an internal error.
- \* @throws InvalidParameterValueException
  - \* One of the parameters in the request is not valid.
- \* @throws ResourceNotFoundException
  - \* The resource specified in the request does not exist.
- \* @throws ResourceConflictException
  - \* The resource already exists, or another operation is in progress.
- \* @throws TooManyRequestsException
  - \* The request throughput limit was exceeded. For more information, see <a href="https://docs.aws.amazon.com/lambda/latest/dg/gettingstarted-limits.html#api-requests">Lambda quotas</a>.
- \* @throws CodeStorageExceededException
  - \* Your Amazon Web Services account has exceeded its maximum total code size. For more information, see <a href="https://docs.aws.amazon.com/lambda/latest/dg/gettingstarted-limits.html">Lambda quotas</a>.
- \* @throws CodeVerificationFailedException
  - \* The code signature failed one or more of the validation checks for signature mismatch or expiry, and the code signing policy is set to ENFORCE. Lambda blocks the deployment.
- \* @throws InvalidCodeSignatureException
  - \* The code signature failed the integrity check. If the integrity check fails, then Lambda blocks deployment, even if the code signing policy is set to WARN.
- \* @throws CodeSigningConfigNotFoundExcepion
  - \* The specified code signing configuration does not exist.
- \* @sample AWSLambda.CreateFunction
- \* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/lambda-2015-03-31/CreateFunction" target="\_top">AWS API Documentation</a>

```

/**
 * <p>
 * Creates a <a href="https://docs.aws.amazon.com/lambda/latest/dg/versioning-aliases.html">version</a> from
 the
 * current code and configuration of a function. Use versions to create a snapshot of your function code and
 * configuration that doesn't change.
 * </p>
 * <p>
 * Lambda doesn't publish a version if the function's configuration and code haven't changed since the last version.
 * Use <a>UpdateFunctionCode</a> or <a>UpdateFunctionConfiguration</a> to update the function before
 publishing a
 * version.
 * </p>
 * <p>
 * Clients can invoke versions directly or with an alias. To create an alias, use <a>CreateAlias</a>.
 * </p>
 *
 * @param publishVersionRequest

```

- \* @return Result of the PublishVersion operation returned by the service.
- \* @throws ServiceException
  - \* The Lambda service encountered an internal error.
- \* @throws ResourceNotFoundException
  - \* The resource specified in the request does not exist.
- \* @throws InvalidParameterValueException
  - \* One of the parameters in the request is not valid.
- \* @throws TooManyRequestsException
  - \* The request throughput limit was exceeded. For more information, see <a href="https://docs.aws.amazon.com/lambda/latest/dg/gettingstarted-limits.html#api-requests">Lambda quotas</a>.
- \* @throws CodeStorageExceededException
  - \* Your Amazon Web Services account has exceeded its maximum total code size. For more information, see <a href="https://docs.aws.amazon.com/lambda/latest/dg/gettingstarted-limits.html">Lambda quotas</a>.
- \* @throws PreconditionFailedException
  - \* The RevisionId provided does not match the latest RevisionId for the Lambda function or alias. Call the <code>GetFunction</code> or the <code>GetAlias</code> API operation to retrieve the latest RevisionId for your resource.
- \* @throws ResourceConflictException
  - \* The resource already exists, or another operation is in progress.
- \* @sample AWSLambda.PublishVersion
- \* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/lambda-2015-03-31/PublishVersion" target="\_top">AWS API Documentation</a>

Found in path(s):

- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/AWSLambdaClient.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/AWSLambda.java

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```

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*/
/**
 * <p>
 * A list of <a href="https://docs.aws.amazon.com/lambda/latest/dg/configuration-layers.html">function
layers</a> to
 * add to the function's execution environment. Specify each layer by its ARN, including the version.
 * </p>
 *
 * @return A list of <a href="https://docs.aws.amazon.com/lambda/latest/dg/configuration-layers.html">function
 * layers</a> to add to the function's execution environment. Specify each layer by its ARN, including the
 * version.
 */
/**
 * <p>
 * A list of <a href="https://docs.aws.amazon.com/lambda/latest/dg/configuration-layers.html">function
layers</a> to
 * add to the function's execution environment. Specify each layer by its ARN, including the version.
 * </p>
 *
 * @param layers
 * A list of <a href="https://docs.aws.amazon.com/lambda/latest/dg/configuration-layers.html">function
 * layers</a> to add to the function's execution environment. Specify each layer by its ARN, including the
 * version.
 */

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Found in path(s):

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CreateFunctionRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UpdateFunctionConfigurationRequest.java

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- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EphemeralStorage.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UpdateFunctionCodeRequest.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutRuntimeManagementConfigRequestMarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PublishLayerVersionRequestProtocolMarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListFunctionUrlConfigsResultJsonUnmarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListFunctionUrlConfigsRequest.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvokeResultJsonUnmarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetAliasRequestProtocolMarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CreateEventSourceMappingResult.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteFunctionConcurrencyRequest.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteFunctionCodeSigningConfigRequest.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetLayerVersionPolicyRequest.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UnsupportedMediaTypeExceptionUnmarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateEventSourceMappingRequestMarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteFunctionEventInvokeConfigResult.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListLayerVersionsResultJsonUnmarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListTagsRequestProtocolMarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteEventSourceMappingRequestMarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FileSystemConfig.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateEventSourceMappingRequestMarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/SourceAccessConfiguration.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListLayerVersionsRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ScalingConfig.java

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\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EFSMountTimeoutExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EFSMountFailureException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListEventSourceMappingsResult.java

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\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutFunctionEventInvokeConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/OnSuccessMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/AWSLambdaAsyncClientBuilder.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UpdateEventSourceMappingResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/SourceAccessConfigurationJsonUnmarshaller.java

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\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteFunctionEventInvokeConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EventSourceMappingConfiguration.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListProvisionedConcurrencyConfigsRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/TagResourceRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FunctionCodeLocationMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionCodeSigningConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionEventInvokeConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ScalingConfigJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionConcurrencyResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteLayerVersionRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FilterCriteriaJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionCodeSigningConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/AccountLimit.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteLayerVersionResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvalidRequestContentExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/KMSInvalidStateExceptionUnmarshaller.java

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\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AllowedPublishersMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/RemoveLayerVersionPermissionRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FunctionUrlConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UntagResourceResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionConfigurationResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateFunctionUrlConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FunctionConfiguration.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DocumentDBEventSourceConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/InvalidSubnetIDException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CodeSigningConfigNotFoundException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EnvironmentError.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/SnapStartJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EventSourceMappingConfigurationMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/SubnetIPAddressLimitReachedExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateCodeSigningConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetAccountSettingsRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/RemovePermissionRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-

jar/com/amazonaws/services/lambda/model/transform/ImageConfigErrorMarshaller.java  
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jar/com/amazonaws/services/lambda/model/RuntimeVersionConfig.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
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\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/UpdateFunctionEventInvokeConfigResult.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/GetFunctionConcurrencyRequestMarshaller.java  
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jar/com/amazonaws/services/lambda/model/transform/ResourceInUseExceptionUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/RemovePermissionRequestProtocolMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/GetFunctionEventInvokeConfigResult.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/EC2AccessDeniedException.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/CreateFunctionRequestProtocolMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/UpdateCodeSigningConfigRequestMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/GetFunctionCodeSigningConfigResultJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/UpdateFunctionEventInvokeConfigRequest.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/ListFunctionEventInvokeConfigsRequestMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/State.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/RemovePermissionResult.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/ListEventSourceMappingsRequestMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
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\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/AddPermissionRequestProtocolMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/GetFunctionEventInvokeConfigRequestProtocolMarshaller.java  
va  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/PolicyLengthExceededException.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/AWSLambdaClientBuilder.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/ListFunctionsResult.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/GetPolicyRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UpdateFunctionConfigurationResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListTagsRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EnvironmentMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteLayerVersionRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/KMSNotFoundException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FunctionUrlConfigJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PreconditionFailedExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvalidSubnetIDExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetRuntimeManagementConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/InvokeMode.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListProvisionedConcurrencyConfigsResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetLayerVersionByArnResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/LastUpdateStatusReasonCode.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetEventSourceMappingResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ProvisionedConcurrencyConfigNotFoundException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvalidSecurityGroupIDExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutProvisionedConcurrencyConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionCodeRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PublishLayerVersionRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/TagResourceResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ProvisionedConcurrencyConfigListItem.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionUrlConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetLayerVersionByArnRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListFunctionUrlConfigsRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionUrlConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/KMSInvalidStateException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListLayersRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteProvisionedConcurrencyConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListProvisionedConcurrencyConfigsRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/AddPermissionResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PublishVersionRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/TracingConfigResponse.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetPolicyResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionCodeResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteLayerVersionRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionConcurrencyRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionCodeRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/Architecture.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AliasConfigurationJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetFunctionResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListFunctionUrlConfigsRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/PutProvisionedConcurrencyConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/SnapStartMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/AccountUsage.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ResourceNotFoundExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteEventSourceMappingResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ENILimitReachedException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionUrlConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/OnFailureJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/package-info.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CodeSigningPolicy.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/PutRuntimeManagementConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AliasConfigurationMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutFunctionCodeSigningConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteProvisionedConcurrencyConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/Environment.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetLayerVersionByArnRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionConfigurationRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EC2ThrottledException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionUrlConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetEventSourceMappingRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/PutFunctionEventInvokeConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListCodeSigningConfigsRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ProvisionedConcurrencyConfigNotFoundExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/TracingConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FilterJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListFunctionEventInvokeConfigsRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/AbstractAWSLambda.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListAliasesRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/TooManyRequestsException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/RemovePermissionRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CreateCodeSigningConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CodeVerificationFailedExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutFunctionCodeSigningConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FunctionCodeLocationJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListFunctionEventInvokeConfigsRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EC2UnexpectedExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ScalingConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListFunctionsByCodeSigningConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/TracingMode.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/RequestTooLargeExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListAliasesResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ResourceNotFoundException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EndPointType.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateFunctionUrlConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionUrlConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteCodeSigningConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/AddLayerVersionPermissionResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListLayerVersionsRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionConfigurationResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/InvokeResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/InvalidParameterValueException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FunctionVersion.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvalidParameterValueExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvalidRuntimeExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AllowedPublishersJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EC2ThrottledExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeadLetterConfigJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/InvokeAsyncResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CreateAliasResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/AliasConfiguration.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/LastUpdateStatus.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetAccountSettingsResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EFSMountConnectivityException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CodeSigningPoliciesJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ServiceException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutFunctionEventInvokeConfigRequestProtocolMarshaller.java

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\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/SourceAccessType.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionEventInvokeConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteEventSourceMappingRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CreateEventSourceMappingRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteAliasResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetAccountSettingsRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetFunctionUrlConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteLayerVersionResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-

jar/com/amazonaws/services/lambda/model/transform/AmazonManagedKafkaEventSourceConfigJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AddLayerVersionPermissionResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/LayerVersionsListItemMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/SnapStartResponseMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FilterCriteria.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetAliasResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionCodeSigningConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FunctionCodeSigningConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FunctionResponseType.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/PublishVersionResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateCodeSigningConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EC2UnexpectedException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListFunctionsRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateEventSourceMappingRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/VpcConfigResponseMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutRuntimeManagementConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CodeSigningPoliciesMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DestinationConfigJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DocumentDBEventSourceConfigJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FunctionConcurrencyRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/InvokeRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DocumentDBEventSourceConfig.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteAliasRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FunctionConcurrencyRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/InvalidZipFileException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/AWSLambdaAsyncClient.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UpdateFunctionCodeResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateAliasResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListTagsResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UpdateCodeSigningConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FilterMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ResourceConflictExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CorsJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/RemoveLayerVersionPermissionResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/waiters/FunctionUpdated.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ThrottleReason.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetFunctionRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/LayersListItemJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListLayersRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/LayerVersionContentInput.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetEventSourceMappingRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvokeAsyncResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/SelfManagedKafkaEventSourceConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeadLetterConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListFunctionEventInvokeConfigsResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/Layer.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateFunctionRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-

jar/com/amazonaws/services/lambda/model/transform/LayerJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/PutFunctionConcurrencyRequestProtocolMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/EnvironmentResponseJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/VpcConfig.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/TracingConfigResponseJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/DeleteAliasRequestMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/FileSystemConfigMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/InvalidCodeSignatureException.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/GetRuntimeManagementConfigRequestMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/ListCodeSigningConfigsResultJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/ProvisionedConcurrencyConfigListItemJsonUnmarshaller.java  
a  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/PublishVersionResultJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/PublishVersionRequest.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/AddLayerVersionPermissionRequestMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/UnsupportedMediaTypeException.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/UpdateAliasResult.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/GetAliasResult.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/VpcConfigJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/ListVersionsByFunctionResultJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/SnapStartNotReadyExceptionUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/AccountLimitJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/DeleteFunctionUrlConfigResult.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/PackageType.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/ImageConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionCodeSigningConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionConcurrencyRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ConcurrencyMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/AWSLambdaException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteProvisionedConcurrencyConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/KMSAccessDeniedException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetFunctionConfigurationRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CodeSigningPolicies.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetLayerVersionRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EC2AccessDeniedExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AddPermissionRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/PutProvisionedConcurrencyConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetLayerVersionPolicyResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/RequestTooLargeException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FileSystemConfigJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/Concurrency.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CodeSigningConfigNotFoundExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetRuntimeManagementConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/AmazonManagedKafkaEventSourceConfig.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetCodeSigningConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionUrlConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ImageConfigResponseJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListEventSourceMappingsResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteCodeSigningConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetLayerVersionResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/waiters/GetFunctionFunction.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/TagResourceRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteAliasResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/SnapStartResponse.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EFSMountFailureExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/waiters/FunctionExists.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/OnSuccessJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionConcurrencyResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetProvisionedConcurrencyConfigResultJsonUnmarshaller.java

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\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/LayerVersionsListItemJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/PutFunctionConcurrencyResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetLayerVersionPolicyRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetAliasRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CodeStorageExceededExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/AliasRoutingConfiguration.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionEventInvokeConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteCodeSigningConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateEventSourceMappingResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionEventInvokeConfigResultJsonUnmarshaller.java

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\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionUrlConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/InvalidSecurityGroupIDException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/waiters/FunctionActiveV2.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/Cors.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FunctionEventInvokeConfig.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/RuntimeVersionErrorMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FunctionEventInvokeConfigJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/Runtime.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CreateAliasRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateFunctionUrlConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/SubnetIPAddressLimitReachedException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/LayerMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/AllowedPublishers.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/VpcConfigResponse.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListVersionsByFunctionRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EnvironmentJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/waiters/GetFunctionConfigurationFunction.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetCodeSigningConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/LayerVersionContentInputMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AliasRoutingConfigurationJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/LayerVersionContentInputJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/SnapStartTimeoutException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetAccountSettingsRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListEventSourceMappingsRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListLayerVersionsResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EFSMountConnectivityExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListLayersResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EFSMountTimeoutException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetLayerVersionPolicyRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EventSourcePosition.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListLayersRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/OnFailure.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvalidZipFileExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionUrlConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/KMSDisabledExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/VpcConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/SourceAccessConfigurationMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/SnapStartException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/AbstractAWSLambdaAsync.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateEventSourceMappingResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvokeAsyncRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FilterCriteriaMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteCodeSigningConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionConcurrencyRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UntagResourceRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetCodeSigningConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListProvisionedConcurrencyConfigsRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AliasRoutingConfigurationMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AccountUsageJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/SelfManagedKafkaEventSourceConfig.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ImageConfigError.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AccountUsageMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetLayerVersionRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/waiters/FunctionUpdatedV2.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteFunctionCodeSigningConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/RemoveLayerVersionPermissionRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetProvisionedConcurrencyConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/LayerVersionsListItem.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/LayerVersionContentOutputMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/KMSDisabledException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListFunctionUrlConfigsResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteAliasRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteCodeSigningConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EphemeralStorageMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionEventInvokeConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/InvokeAsyncRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EnvironmentErrorMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/RuntimeVersionConfigJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetCodeSigningConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateCodeSigningConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutProvisionedConcurrencyConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionEventInvokeConfigRequestProtocolMarshaller.java

er.java

- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/TracingConfigResponseMarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UpdateEventSourceMappingRequest.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/VpcConfigResponseJsonUnmarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetRuntimeManagementConfigRequest.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EnvironmentResponse.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListTagsResult.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListProvisionedConcurrencyConfigsResult.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/PreconditionFailedException.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateFunctionResultJsonUnmarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CodeStorageExceededException.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListFunctionsRequest.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/SnapStartTimeoutExceptionUnmarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/TracingConfig.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteFunctionRequest.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvokeRequestProtocolMarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UntagResourceRequestMarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetLayerVersionByArnRequestMarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/AddLayerVersionPermissionRequest.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CreateFunctionUrlConfigResult.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/PutFunctionEventInvokeConfigRequest.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/RuntimeVersionError.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/KMSNotFoundExceptionUnmarshaller.java
- \* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutRuntimeManagementConfigRequestProtocolMarshaller.java

va

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CodeSigningConfig.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AddLayerVersionPermissionRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvalidCodeSignatureExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetLayerVersionRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DestinationConfig.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EventSourceMappingConfigurationJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteFunctionUrlConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionEventInvokeConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionConfigurationRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateAliasRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EnvironmentResponseMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/LayerVersionContentOutputJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateCodeSigningConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetProvisionedConcurrencyConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListAliasesRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetFunctionConfigurationResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteFunctionRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListFunctionsByCodeSigningConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetFunctionConcurrencyResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetEventSourceMappingResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FunctionEventInvokeConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-

jar/com/amazonaws/services/lambda/model/DeleteEventSourceMappingRequest.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/SnapStartNotReadyException.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/SelfManagedKafkaEventSourceConfigJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/ListLayerVersionsRequestProtocolMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/AddPermissionResultJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/GetProvisionedConcurrencyConfigRequest.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/GetPolicyRequest.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/ListFunctionsByCodeSigningConfigResultJsonUnmarshaller.  
java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/CreateCodeSigningConfigRequest.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/GetFunctionUrlConfigRequest.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/InvalidRequestContentException.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/KMSAccessDeniedExceptionUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/SnapStartExceptionUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/GetFunctionEventInvokeConfigRequestMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/ListCodeSigningConfigsResult.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/GetAccountSettingsResultJsonUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/PutFunctionEventInvokeConfigRequestMarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/transform/ServiceExceptionUnmarshaller.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/waiters/FunctionActive.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/SelfManagedEventSource.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/DeleteProvisionedConcurrencyConfigResult.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/UpdateFunctionUrlConfigResult.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/PutRuntimeManagementConfigResult.java  
\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-  
jar/com/amazonaws/services/lambda/model/SnapStart.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateCodeSigningConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/Filter.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CreateFunctionResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetRuntimeManagementConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DestinationConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/TooManyRequestsExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CodeSigningConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListCodeSigningConfigsRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/RemoveLayerVersionPermissionRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteProvisionedConcurrencyConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetPolicyRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FunctionConfigurationMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/RemovePermissionResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetFunctionEventInvokeConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/LogType.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/OnFailureMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListVersionsByFunctionRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/SnapStartApplyOn.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ProvisionedConcurrencyStatusEnum.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListFunctionEventInvokeConfigsResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/OnSuccess.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/LayersListItemMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/waiters/PublishedVersionActive.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ResourceNotReadyExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListFunctionsResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/StateReasonCode.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FunctionUrlAuthType.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PolicyLengthExceededExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteFunctionResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ResourceInUseException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/TagResourceRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UpdateRuntimeOn.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutFunctionConcurrencyResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetLayerVersionResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CreateAliasRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionConfigurationRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FunctionCodeMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListVersionsByFunctionResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateEventSourceMappingRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateAliasResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/EFSIOException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/TagResourceResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ImageConfigErrorJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PublishVersionRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetPolicyResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/InvalidRuntimeException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/DeleteEventSourceMappingResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateAliasRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetFunctionCodeSigningConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetLayerVersionPolicyResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListVersionsByFunctionRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FunctionUrlConfig.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ResourceNotReadyException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutProvisionedConcurrencyConfigResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CreateFunctionUrlConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ConcurrencyJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetCodeSigningConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FunctionCodeJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeadLetterConfig.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/PutFunctionCodeSigningConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionCodeSigningConfigRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PublishLayerVersionResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/SnapStartOptimizationStatus.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ENILimitReachedExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionConfigurationRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/PutFunctionConcurrencyRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ResourceConflictException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateAliasRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/PublishLayerVersionResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListAliasesRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetEventSourceMappingRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ImageConfigResponseMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListTagsRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/RuntimeVersionConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvokeAsyncRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetLayerVersionByArnResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListAliasesResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EnvironmentErrorJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/waiters/AWSLambdaWaiters.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/RemoveLayerVersionPermissionResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetAliasRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/FunctionConfigurationJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/GetFunctionRequestProtocolMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UpdateAliasRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/RuntimeVersionErrorJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AccountLimitMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/SelfManagedEventSourceJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/SelfManagedEventSourceMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/UpdateFunctionUrlConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/PublishLayerVersionRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/CodeVerificationFailedException.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/InvokeRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FullDocument.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/InvocationType.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListFunctionsByCodeSigningConfigRequestMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FunctionCode.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetProvisionedConcurrencyConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/EFSIOExceptionUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/FunctionCodeLocation.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ImageConfigResponse.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CorsMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/DeleteFunctionConcurrencyResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/CodeSigningConfigJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListEventSourceMappingsRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/AmazonManagedKafkaEventSourceConfigMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/GetFunctionCodeSigningConfigResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UpdateFunctionUrlConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ListLayersResultJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/LayersListItem.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/LayerVersionContentOutput.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UntagResourceResult.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/SnapStartResponseJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ImageConfigJsonUnmarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/transform/ProvisionedConcurrencyConfigListItemMarshaller.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UpdateCodeSigningConfigRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/UntagResourceRequest.java

\* /opt/cola/permits/1653646610\_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-jar/com/amazonaws/services/lambda/model/ListFunctionsByCodeSigningConfigRequest.java

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 */
```

```
/**
```

```
 * <p>
 * Specifies the entry point to their application, which is typically the location of the runtime executable.
 * </p>
 *
 * @return Specifies the entry point to their application, which is typically the location of the runtime
 *         executable.
 */
```

Found in path(s):

```
* /opt/cola/permits/1653646610_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-
jar/com/amazonaws/services/lambda/model/ImageConfig.java
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Found in path(s):

```
* /opt/cola/permits/1653646610_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-
jar/com/amazonaws/services/lambda/invoke/LambdaFunctionNameResolver.java
```

```
* /opt/cola/permits/1653646610_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-
```

```
jar/com/amazonaws/services/lambda/invoke/LambdaInvokerFactory.java
* /opt/cola/permits/1653646610_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-
jar/com/amazonaws/services/lambda/invoke/LambdaFunctionException.java
* /opt/cola/permits/1653646610_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-
jar/com/amazonaws/services/lambda/invoke/LambdaSerializationException.java
* /opt/cola/permits/1653646610_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-
jar/com/amazonaws/services/lambda/invoke/LambdaFunction.java
* /opt/cola/permits/1653646610_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-
jar/com/amazonaws/services/lambda/invoke/DefaultLambdaFunctionNameResolver.java
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Found in path(s):

```
* /opt/cola/permits/1653646610_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-
jar/com/amazonaws/services/lambda/invoke/package-info.java
* /opt/cola/permits/1653646610_1684410798.8436196/0/aws-java-sdk-lambda-1-12-455-sources-
jar/com/amazonaws/services/lambda/invoke/LambdaInvokerFactoryConfig.java
```

## 1.308 react-table 7.8.0

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```

\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/IndexWriterV1.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/FieldInternal.java  
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\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/UnsupportedVersion.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/AnnotationInstance.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/IndexView.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/AnnotationTarget.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/MethodInfo.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/IndexReader.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/MethodParameterInfo.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/IndexReaderV1.java  
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\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/ClassInfo.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/Main.java  
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\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/PackedDataInputStream.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/Index.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/PrimitiveType.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/JandexAntTask.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/IndexWriter.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/FieldInfo.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/Indexer.java

\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/NameTable.java  
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\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/RecordComponentInfo.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/ModuleInfo.java  
\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/RecordComponentInfoGenerator.java  
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\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/TypeTarget.java

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\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/ClassExtendsTypeTarget.java

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\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/MethodInfoGenerator.java

\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/EmptyTypeTarget.java

\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/ParameterizedType.java

\* /opt/cola/permits/1502407241\_1683548979.1936557/0/jandex-2-4-2-final-sources-

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jar/org/jboss/jandex/IndexWriterImpl.java
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jar/org/jboss/jandex/VoidType.java
* /opt/cola/permits/1502407241_1683548979.1936557/0/jandex-2-4-2-final-sources-
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jar/org/jboss/jandex/IndexReaderImpl.java
* /opt/cola/permits/1502407241_1683548979.1936557/0/jandex-2-4-2-final-sources-jar/org/jboss/jandex/Utils.java
* /opt/cola/permits/1502407241_1683548979.1936557/0/jandex-2-4-2-final-sources-
jar/org/jboss/jandex/WildcardType.java
* /opt/cola/permits/1502407241_1683548979.1936557/0/jandex-2-4-2-final-sources-
jar/org/jboss/jandex/TypeVariable.java
* /opt/cola/permits/1502407241_1683548979.1936557/0/jandex-2-4-2-final-sources-
jar/org/jboss/jandex/ThrowsTypeTarget.java
* /opt/cola/permits/1502407241_1683548979.1936557/0/jandex-2-4-2-final-sources-
jar/org/jboss/jandex/FieldInfoGenerator.java
* /opt/cola/permits/1502407241_1683548979.1936557/0/jandex-2-4-2-final-sources-
jar/org/jboss/jandex/MethodInternal.java
* /opt/cola/permits/1502407241_1683548979.1936557/0/jandex-2-4-2-final-sources-
jar/org/jboss/jandex/IndexReaderV2.java

```

# 1.315 hoist-non-react-statics v3.3.2

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## 1.322 axios 1.1.3

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Found in path(s):

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* /opt/cola/permits/1519136918_1671710591.694181/0/spring-cloud-sleuth-api-3-1-3-jar/META-INF/maven/org.springframework.cloud/spring-cloud-sleuth-api/pom.xml
```

# 1.324 spring-boot-cache-starter 2.7.11

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\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/io/buffer/NettyDataBuffer.java  
\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/lang/Nullable.java  
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jar/org/springframework/asm/SymbolTable.java

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org.springframework.core.ReactiveAdapterRegistry\$SpringCoreBlockHoundIntegration

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jar/org/springframework/core/convert/ConversionException.java  
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jar/org/springframework/util/ResizableByteArrayOutputStream.java  
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\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-

jar/org/springframework/core/convert/converter/ConditionalGenericConverter.java  
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\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-  
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jar/org/springframework/core/annotation/SynthesizedAnnotation.java  
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jar/org/springframework/core/style/StylerUtils.java  
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\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/io/buffer/DefaultDataBuffer.java

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\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/codec/Encoder.java

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jar/org/springframework/util/IdGenerator.java

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* /opt/cola/permits/1648885627_1683549655.5778635/0/spring-core-5-3-27-sources-
jar/org/springframework/core/convert/support/ConfigurableConversionService.java
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\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/util/CollectionUtils.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/KotlinReflectionParameterNameDiscoverer.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/CoroutinesUtils.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/task/SimpleAsyncTaskExecutor.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/annotation/AnnotationTypeMappings.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/DefaultParameterNameDiscoverer.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/NestedExceptionUtils.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/convert/converter/ConvertingComparator.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/convert/support/StringToLocaleConverter.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/io/AbstractResource.java

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\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/convert/TypeDescriptor.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/StandardReflectionParameterNameDiscoverer.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/annotation/AttributeMethods.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/BridgeMethodResolver.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/util/unit/DataSize.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/annotation/AnnotationUtils.java

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\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/type/classreading/SimpleMetadataReader.java

\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/annotation/AnnotatedElementUtils.java  
\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/util/MimeType.java  
\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/core/ResolvableType.java  
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jar/org/springframework/core/env/CommandLineArgs.java
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jar/org/springframework/util/backoff/BackOffExecution.java
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jar/org/springframework/core/convert/converter/ConverterRegistry.java
* /opt/cola/permits/1648885627_1683549655.5778635/0/spring-core-5-3-27-sources-
jar/org/springframework/objenesis/SpringObjenesis.java
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jar/org/springframework/util/concurrent/FailureCallback.java
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jar/org/springframework/lang/UsesSunMisc.java
* /opt/cola/permits/1648885627_1683549655.5778635/0/spring-core-5-3-27-sources-
jar/org/springframework/core/convert/support/EnumToIntegerConverter.java
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* /opt/cola/permits/1648885627_1683549655.5778635/0/spring-core-5-3-27-sources-
jar/org/springframework/core/ConfigurableObjectInputStream.java
* /opt/cola/permits/1648885627_1683549655.5778635/0/spring-core-5-3-27-sources-
jar/org/springframework/util/ErrorHandler.java
* /opt/cola/permits/1648885627_1683549655.5778635/0/spring-core-5-3-27-sources-
jar/org/springframework/core/type/filter/AssignableTypeFilter.java
* /opt/cola/permits/1648885627_1683549655.5778635/0/spring-core-5-3-27-sources-
jar/org/springframework/core/convert/support/CharacterToNumberFactory.java
* /opt/cola/permits/1648885627_1683549655.5778635/0/spring-core-5-3-27-sources-
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jar/org/springframework/util/backoff/BackOff.java  
\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-  
jar/org/springframework/core/type/filter/TypeFilter.java  
\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-  
jar/org/springframework/core/io/ProtocolResolver.java  
\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-  
jar/org/springframework/core/env/ConfigurablePropertyResolver.java  
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jar/org/springframework/core/style/ValueStyler.java  
\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-  
jar/org/springframework/core/type/filter/RegexPatternTypeFilter.java  
\* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-  
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- \* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/cglib/beans/BulkBean.java
- \* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/cglib/beans/FixedKeySet.java
- \* /opt/cola/permits/1648885627\_1683549655.5778635/0/spring-core-5-3-27-sources-jar/org/springframework/cglib/beans/BulkBeanException.java

## 1.330 watchman 2.1.1

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\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-jar/org/springframework/amqp/rabbit/listener/adapter/ReplyPostProcessor.java

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jar/org/springframework/amqp/rabbit/listener/MicrometerHolder.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/connection/RestTemplateHolder.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/connection/RestTemplateNodeLocator.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/connection/WebFluxNodeLocator.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/config/CompositeContainerCustomizer.java
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\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-jar/org/springframework/amqp/rabbit/listener/support/ContainerUtils.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-jar/org/springframework/amqp/rabbit/connection/ClosingRecoveryListener.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-jar/org/springframework/amqp/rabbit/connection/ConnectionFactoryConfigurationUtils.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-jar/org/springframework/amqp/rabbit/core/BrokerEventListener.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-jar/org/springframework/amqp/rabbit/connection/SimplePropertyValueConnectionNameStrategy.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-jar/org/springframework/amqp/rabbit/core/BrokerEvent.java

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\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-jar/org/springframework/amqp/rabbit/core/CorrelationDataPostProcessor.java

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jar/org/springframework/amqp/rabbit/listener/api/RabbitListenerErrorHandler.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/listener/DirectMessageListenerContainer.java  
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jar/org/springframework/amqp/rabbit/config/SimpleRabbitListenerContainerFactory.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/logback/AmqpAppender.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
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jar/org/springframework/amqp/rabbit/config/AdminParser.java
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jar/org/springframework/amqp/rabbit/support/ExpressionFactoryBean.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/listener/exception/FatalListenerExecutionException.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/support/ActiveObjectCounter.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/connection/ChannelListener.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/config/StatefulRetryOperationsInterceptorFactoryBean.java
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jar/org/springframework/amqp/rabbit/connection/ConsumerChannelRegistry.java  
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jar/org/springframework/amqp/rabbit/config/AnnotationDrivenParser.java  
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jar/org/springframework/amqp/rabbit/config/NamespaceUtils.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/core/RabbitGatewaySupport.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
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\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/retry/NewMessageIdentifier.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/support/ListenerExecutionFailedException.java  
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jar/org/springframework/amqp/rabbit/config/RabbitNamespaceHandler.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/config/DirectExchangeParser.java  
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jar/org/springframework/amqp/rabbit/connection/ConnectionProxy.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/config/QueueArgumentsParser.java  
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jar/org/springframework/amqp/rabbit/support/RabbitExceptionTranslator.java  
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jar/org/springframework/amqp/rabbit/transaction/RabbitTransactionManager.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/config/HeadersExchangeParser.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/core/ChannelCallback.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/core/RabbitAdmin.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/connection/CompositeChannelListener.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/config/TopicExchangeParser.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/connection/RabbitAccessor.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/config/AbstractRetryOperationsInterceptorFactoryBean.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-

jar/org/springframework/amqp/rabbit/config/StatelessRetryOperationsInterceptorFactoryBean.java  
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jar/org/springframework/amqp/rabbit/listener/exception/FatalListenerStartupException.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/config/QueueParser.java  
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jar/org/springframework/amqp/rabbit/support/DefaultMessagePropertiesConverter.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/config/FanoutExchangeParser.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-  
jar/org/springframework/amqp/rabbit/connection/SimpleConnection.java  
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jar/org/springframework/amqp/rabbit/config/BindingFactoryBean.java  
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jar/org/springframework/amqp/rabbit/connection/Connection.java  
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jar/org/springframework/amqp/rabbit/support/ConsumerCancelledException.java  
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jar/org/springframework/amqp/rabbit/batch/SimpleBatchingStrategy.java  
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jar/org/springframework/amqp/rabbit/retry/RepublishMessageRecoverer.java  
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\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-jar/org/springframework/amqp/rabbit/retry/MessageBatchRecoverer.java  
\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-jar/org/springframework/amqp/rabbit/listener/adapters/AdapterBatchMessagingMessageListenerAdapter.java

\* /opt/cola/permits/1648885662\_1683549764.493756/0/spring-rabbit-2-4-12-sources-jar/org/springframework/amqp/rabbit/listener/api/ChannelAwareBatchMessageListener.java  
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jar/org/springframework/amqp/rabbit/core/ConsumeOkNotReceivedException.java  
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jar/org/springframework/amqp/rabbit/core/RabbitAdminEvent.java  
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jar/org/springframework/amqp/rabbit/listener/adapter/ReplyingMessageListener.java  
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jar/org/springframework/amqp/rabbit/annotation/Argument.java  
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jar/org/springframework/amqp/rabbit/core/DeclarationExceptionEvent.java  
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jar/org/springframework/amqp/rabbit/connection/ConnectionNameStrategy.java  
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jar/org/springframework/amqp/rabbit/connection/RabbitUtils.java  
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jar/org/springframework/amqp/rabbit/connection/RabbitConnectionFactoryBean.java  
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jar/org/springframework/amqp/rabbit/config/ConnectionFactoryParser.java  
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jar/org/springframework/amqp/rabbit/listener/adapters/ReplyFailureException.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/listener/FatalExceptionStrategy.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/listener/QueuesNotAvailableException.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/connection/SimpleResourceHolder.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/batch/MessageBatch.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/core/BatchingRabbitTemplate.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/support/ValueExpression.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/config/RetryInterceptorBuilder.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/connection/SimpleRoutingConnectionFactory.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/annotation/EnableRabbit.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/config/SimpleRabbitListenerEndpoint.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/listener/RabbitListenerEndpointRegistry.java
* /opt/cola/permits/1648885662_1683549764.493756/0/spring-rabbit-2-4-12-sources-
jar/org/springframework/amqp/rabbit/batch/BatchingStrategy.java
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## 1.350 java-faker 1.0.2

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```

Found in path(s):

```
* /opt/cola/permits/1636394492_1683548552.5671535/0/javafaker-1-0-2-sources-jar/en/bank.yml
```

No license file was found, but licenses were detected in source scan.

```
/**
```

```
 * Generates a random image url based on the lorempixel service. All the images provided by this service are
released
```

```
 * under the creative commons license (CC BY-SA). For more information, please visit: http://loempixel.com/
```

```
 *
```

```
 * @return an url to a random image.
```

```
 * @see <a href="http://loempixel.com/">loempixel - Placeholder Images for every case</a>
```

```
 */
```

Found in path(s):

```
* /opt/cola/permits/1636394492_1683548552.5671535/0/javafaker-1-0-2-sources-
jar/com/github/javafaker/Internet.java
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## 1.351 type-fest 0.6.0

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## 1.353 global-prefix 3.0.0

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## 1.357 lettuce 6.1.10.RELEASE

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## 1.361 warning 4.0.3

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Martin Richards  
23 February 2007

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<Project Sdk="Microsoft.NET.Sdk">
  <PropertyGroup>
    <OutputType>Exe</OutputType>
    <ApplicationManifest>App.manifest</ApplicationManifest>
  </PropertyGroup>
  <ItemGroup>
    <Compile Include="Program.cs" />
    <Compile Include="..\..\ServerContracts/Server.CoClasses.cs" />
    <Compile Include="..\..\ServerContracts/Server.Contracts.cs" />
    <Compile Include="..\..\ServerContracts/ServerGuids.cs" />
  </ItemGroup>
  <ItemGroup>
    <CMakeProjectReference Include="..\..\NativeServer/CMakeLists.txt" />
    <ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
  </ItemGroup>
</Project>
<Project Sdk="Microsoft.Build.NoTargets">

  <UsingTask TaskName="RegenerateThirdPartyNotices" AssemblyFile="$(InstallerTasksAssemblyPath)" />

  <Target Name="RegenerateThirdPartyNotices" AfterTargets="Build">
    <PropertyGroup>
      <TpnFile>$(InstallerProjectRoot)pkg\THIRD-PARTY-NOTICES.TXT</TpnFile>
    </PropertyGroup>

    <!--
      Repo configuration. Upstreams, but also more: the TPN in dotnet/runtime serves many repos outside
      its graph, because dotnet/runtime produces the installer that ends up placing the single TPN file
      in the dotnet home directory.
    -->
    <ItemGroup>
      <TpnRepo Include="dotnet/runtime" />
      <TpnRepo Include="dotnet/aspnetcore" />
      <TpnRepo Include="dotnet/installer" />
      <TpnRepo Include="dotnet/roslyn-analyzers" />
      <TpnRepo Include="dotnet/templating" />
      <TpnRepo Include="dotnet/winforms" />
      <TpnRepo Include="dotnet/wpf" />
    </ItemGroup>
  </Target>
</Project>
```

<!--

Additional repos that should be included but don't have any third-party-notices files:

dotnet/efcore

dotnet/emsdk

dotnet/extensions

dotnet/icu

dotnet/sdk

dotnet/windowsdesktop

-->

<TpnRepo Condition="'%(TpnRepo.Branch)' == '' Branch="main" />

<PotentialTpnPath Include="THIRD-PARTY-NOTICES.TXT" />

<PotentialTpnPath Include="THIRD-PARTY-NOTICES.txt" />

<PotentialTpnPath Include="THIRD-PARTY-NOTICES" />

<PotentialTpnPath Include="THIRDPARTYNOTICES.TXT" />

<PotentialTpnPath Include="THIRDPARTYNOTICES.txt" />

</ItemGroup>

<RegenerateThirdPartyNotices

TpnFile="\$(TpnFile)"

PotentialTpnPaths="@ (PotentialTpnPath)"

TpnRepos="@ (TpnRepo)" />

<Message Text="\$(MSBuildProjectName) -> \$(TpnFile)" Importance="High" />

</Target>

</Project>

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```
new XElement("TITLE", "The Tragedy of Hamlet, Prince of Denmark"),
new XElement("fm",
  new XElement("p", "Text placed in the public domain by Moby Lexical Tools, 1992."),
  new XElement("p", "SGML markup by Jon Bosak, 1992-1994."),
  new XElement("p", "XML version by Jon Bosak, 1996-1997."),
  new XElement("p", "This work may be freely copied and distributed worldwide.")
)
```

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Chris Re (cmr28@cornell.edu) and Werner Vogels (vogels@cs.cornell.edu)

For details on the original authors see <http://math.nist.gov/scimark2>

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.13, October 13th, 2022

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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## 1.365 make-dir 3.1.0

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## 1.366 brave-instrumentation-spring-rabbitmq

### 5.13.9

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## 1.368 which 1.3.1

# 1.369 resolve-from 5.0.0

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# 1.370 use-composed-ref 1.3.0

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# 1.371 @babel/helper-string-parser 7.18.10

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## 1.372 cssesc 3.0.0

## 1.373 ieee754 v1.2.1

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## 1.375 is-date-object 1.0.5

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# 1.376 postcss 8.4.17

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# 1.377 @types/scheduler 0.16.2

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# 1.378 libphonenumber 8.12.52

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Upstream-Contact: Fredrik Roubert <[roubert@google.com](mailto:roubert@google.com)>

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[cpp/src/phonenumbers/base/memory/singleton.h](#)  
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# Core team:

#

# These people were responsible for the initial implementations in Java and

# C++.

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Lara Rennie

David Yonge-Mallo

David Beaumont

# Team carrying out the bulk of metadata maintenance, bug fixes & feature

# requests, and porting new features to Javascript.

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# Additional contributions:

# Javascript

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-- Initial implementation, some subsequent maintenance.

James Wright

-- Short number info port to Javascript.

# Java:

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-- Timezone mapper.

Philippe Liard

-- Offline geocoder, local Maven expert.

Cecilia Roes

-- Carrier mapper.

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-- First version of the PhoneNumberMatcher and related classes.

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# C++:

Patrick Mzard

-- Geocoding library implementation.

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-- Initial open-sourcing of a C++ library, responsible for getting this to work across multiple platforms.

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## 1.385 electron-to-chromium 1.4.276

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## 1.387 assertj-fluent-assertions 3.22.0

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/\*\*

\* Base class for all implementations of assertions for {@link File}s.

```
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*     for more details.
*
*
* @author David DIDIER
* @author Yvonne Wang
* @author Alex Ruiz
* @author Olivier Michallat
* @author Olivier Demeijer
* @author Mikhail Mazursky
* @author Jean-Christophe Gay
* @author Valeriy Vyrva
* @author Nikolaos Georgiou
*/
```

Found in path(s):

```
* /opt/cola/permits/1341130270_1654817020.9922328/0/assertj-core-3-22-0-sources-
jar/org/assertj/core/api/AbstractFileAssert.java
```

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```
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*/
```

```
/**
* Base class for all implementations of assertions for { @link Float}s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*     for more details.
*
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author Alex Ruiz
* @author Ansgar Konermann
*/
```

\* @author Mikhail Mazursky  
\* @author Nicolas François  
\* @author Jin Kwon  
\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractFloatAssert.java

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\*/

/\*\*

\* Base class for all implementations of assertions for { @code CharSequence}s.

\*

\* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

\* [target="\\_blank">Emulating 'self types' using Java Generics to simplify fluent API](#)

implementation</a>"

\* for more details.

\* @param <ACTUAL> the type of the "actual" value.

\*

\* @author Yvonne Wang

\* @author David DIDIER

\* @author Alex Ruiz

\* @author Joel Costigliola

\* @author Mikhail Mazursky

\* @author Nicolas Francois

\* @author Daniel Weber

\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractCharSequenceAssert.java

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\*/  
/\*\*  
\* Base class for all implementations of assertions for { @link Short}s.  
\*  
\* @param <SELF> the "self" type of this assertion class. Please read ["Emulating 'self types' using Java Generics to simplify fluent API implementation"](http://bit.ly/1IZIRcY)  
\* for more details.  
\*  
\* @author Drummond Dawson  
\* @author Yvonne Wang  
\* @author David DIDIER  
\* @author Ansgar Konermann  
\* @author Alex Ruiz  
\* @author Mikhail Mazursky  
\* @author Nicolas François  
\* @author Cal027  
\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractShortAssert.java

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\*  
\*/

```
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*/
/**
 * Base class for all implementations of assertions for { @link Double}s.
 *
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 * implementation</a>&quot;
 *     for more details.
 *
 * @author Drummond Dawson
 * @author Yvonne Wang
 * @author David DIDIER
 * @author Alex Ruiz
 * @author Ansgar Konermann
 * @author Joel Costigliola
 * @author Mikhail Mazursky
 * @author Nicolas François
 * @author Jack Gough
 */
```

Found in path(s):

```
*/opt/cola/permits/1341130270_1654817020.9922328/0/assertj-core-3-22-0-sources-
jar/org/assertj/core/api/AbstractDoubleAssert.java
```

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 *
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 */
```

```
/**
 * Base class for all implementations of assertions for { @link List}s.
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 * implementation</a>&quot;
 *     for more details.
 * @param <ACTUAL> the type of the "actual" value.
 * @param <ELEMENT> the type of elements of the "actual" value.
```

\* @param <ELEMENT\_ASSERT> used for navigational assertions to return the right assert type.  
\*  
\* @author Yvonne Wang  
\* @author Alex Ruiz  
\* @author Joel Costigliola  
\* @author Mikhail Mazursky  
\* @author Jacek Jackowiak  
\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractListAssert.java

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\*

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\*/

/\*\*

\* Base class for all implementations of assertions for { @link Byte}s.

\*

\* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

\* `target="_blank">Emulating 'self types' using Java Generics to simplify fluent API`

implementation</a>"

\* `for more details.`

\*

\* @author Drummond Dawson

\* @author Yvonne Wang

\* @author David DIDIER

\* @author Ansgar Konermann

\* @author Alex Ruiz

\* @author Mikhail Mazursky

\* @author Nicolas François

\* @author Cal027

\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-

jar/org/assertj/core/api/AbstractByteAssert.java

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 *
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 */
/**
 * Base class for all implementations of assertions for { @link InputStream}s.
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 * implementation</a>&quot;
 *     for more details.
 * @param <ACTUAL> the type of the "actual" value.
 *
 * @author Matthieu Baechler
 * @author Mikhail Mazursky
 * @author Stefan Birkner
 */
```

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/api/AbstractInputStreamAssert.java

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```

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- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/FutureAssert.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/error/ShouldHaveAllNullFields.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/recursive/comparison/RecursiveComparisonConfiguration.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/error/AssertionErrorCreator.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/Java6Assertions.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/error/ShouldNotContainKey.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/internal/OffsetDateTimeByInstantComparator.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/ClassAssert.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/error/ShouldNotMatch.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractCompletableFutureAssert.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/error/ErrorMessageFactory.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/internal/AbstractComparisonStrategy.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/error/ShouldHaveSameClass.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractSpliteratorAssert.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/internal/Files.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/recursive/comparison/FieldComparators.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/error/ShouldNotContainSequence.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/error/ShouldHaveBinaryContent.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AssertionErrorCollector.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/error/ShouldBeUpperCase.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/error/ElementsShouldBeExactly.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/error/ShouldNotHaveSameHashCode.java
- \* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-

jar/org/assertj/core/description/Description.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/internal/Int2DArrays.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/ShouldBeOdd.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/ShouldBeMarked.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/ShouldHaveNoParent.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/api/OptionalDoubleAssert.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/util/introspection/FieldUtils.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/uri/ShouldHaveNoHost.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/api/AbstractIntArrayAssert.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/ShouldBeAtSameInstant.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/internal/CommonValidations.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/ShouldContainExactlyInAnyOrder.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/api/AtomicIntegerArrayAssert.java  
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jar/org/assertj/core/api/OptionalLongAssert.java  
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jar/org/assertj/core/condition/Join.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/ShouldHaveParent.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/api/AbstractIteratorAssert.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/extractor/Extractors.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/util/TextFileWriter.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/ShouldContainPattern.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/description/TextDescription.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/api/AtomicLongArrayAssert.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/ShouldOnlyHaveFields.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/api/recursive/comparison/DualValueDeque.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-

jar/org/assertj/core/internal/NioFilesWrapper.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/UnsatisfiedRequirement.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/ShouldExist.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/internal/Boolean2DArrays.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/internal/IterableElementComparisonStrategy.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/api/JUnitBDDSoftAssertions.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/internal/Urls.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/api/AssertionInfo.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/api/Fail.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/internal/WholeNumbers.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/ShouldBeRelativePath.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/uri/ShouldHaveQuery.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/api/BDDAssumptions.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/error/ShouldNotBeInstance.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
jar/org/assertj/core/util/introspection/Introspection.java  
\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
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\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
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\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
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\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
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\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
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\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-  
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\*/

/\*\*

\* Base class for all assertions.

\*

\* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

\* `target="_blank">Emulating 'self types' using Java Generics to simplify fluent API`

implementation</a>&quot;

\* `for more details.`

\* @param <ACTUAL> the type of the "actual" value.

\*

\* @author Alex Ruiz

\* @author Joel Costigliola

\* @author Mikhail Mazursky

\* @author Nicolas François

\*/

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/\*\*

\* Base class for all implementations of assertions for { @link Boolean}s.

\*

\* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

\* `target="_blank">Emulating 'self types' using Java Generics to simplify fluent API`

implementation</a>"

\* `for more details.`

\*

\* @author Alex Ruiz

\* @author Yvonne Wang

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\* @author Mikhail Mazursky

\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-

jar/org/assertj/core/api/AbstractBooleanAssert.java

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```

*
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*/
/**
* Base class for all implementations of assertions for { @link Object}s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;;
*     for more details.
* @param <ACTUAL> the type of the "actual" value.
*
* @author Yvonne Wang
* @author Alex Ruiz
* @author Nicolas François
* @author Mikhail Mazursky
* @author Joel Costigliola
* @author Libor Ondrusek
*/

```

Found in path(s):

```

* /opt/cola/permits/1341130270_1654817020.9922328/0/assertj-core-3-22-0-sources-
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*
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*/
/**
* Assertions methods applicable to groups of objects (e.g. arrays or collections.)
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;;
*     for more details.
* @param <ELEMENT> the type of elements of the "actual" value.
*

```

\* @author Yvonne Wang  
\* @author Alex Ruiz  
\* @author Nicolas François  
\* @author Mikhail Mazursky  
\* @author Joel Costigliola  
\* @author Nicolas François  
\* @author Florent Biville  
\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/ObjectEnumerableAssert.java

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/\*\*

\* Base class for all implementations of assertions for { @link Date}s.

\* <p>

\* Note that assertions with date parameter comes with two flavor, one is obviously a { @link Date } and the other is a { @link String } representing a Date.<br>

\* For the latter, the default format follows ISO 8901 : "yyyy-MM-dd", user can override it with a custom format by calling { @link #withDateFormat(DateFormat)}.<br>

\* The user custom format will then be used for all next Date assertions (i.e not limited to the current assertion) in the test suite.<br>

\* To turn back to default format, simply call { @link #withDefaultDateFormatsOnly()}.

\*

\* @param <SELF> the "self" type of this assertion class. Please read "<a href='\"http://bit.ly/1IZIRcY\"' target='\"\_blank\"'>Emulating 'self types' using Java Generics to simplify fluent API implementation</a>" for

\* more details.

\* @author Tomasz Nurkiewicz (thanks for giving assertions idea)

\* @author Joel Costigliola

\* @author Mikhail Mazursky

\* @author William Delanoue

\* @author Michal Kordas

\* @author Eddú Meléndez

\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractDateAssert.java

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/\*\*

\* Base class for all implementations of assertions for { @link Integer}s.

\*

\* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

\* `target="_blank">Emulating 'self types' using Java Generics to simplify fluent API`

implementation</a>"

\* `for more details.`

\*

\* @author Drummond Dawson

\* @author Yvonne Wang

\* @author David DIDIER

\* @author Ansgar Konermann

\* @author Alex Ruiz

\* @author Joel Costigliola

\* @author Mikhail Mazursky

\* @author Nicolas François

\* @author Cal027

\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractIntegerAssert.java

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*/
/**
* Base class for all implementations of assertions for { @link Map}s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*     for more details.
* @param <ACTUAL> the type of the "actual" value.
* @param <K> the type of keys in the map.
* @param <V> the type of values in the map.
*
* @author David DIDIER
* @author Yvonne Wang
* @author Alex Ruiz
* @author Mikhail Mazursky
* @author Nicolas François
* @author dorzey
* @author Filip Hrisafov
*/

```

Found in path(s):

```

* /opt/cola/permits/1341130270_1654817020.9922328/0/assertj-core-3-22-0-sources-
jar/org/assertj/core/api/AbstractMapAssert.java

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*

```

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*/
/**
* Base class for all implementations of assertions for { @link Collection}s.
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*     for more details.
* @param <ACTUAL> the type of the "actual" value.
* @param <ELEMENT> the type of elements of the "actual" value.
* @param <ELEMENT_ASSERT> used for navigational assertions to return the right assert type.
*
* @since 3.21.0
*/
```

Found in path(s):

```
* /opt/cola/permits/1341130270_1654817020.9922328/0/assertj-core-3-22-0-sources-
jar/org/assertj/core/api/AbstractCollectionAssert.java
```

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*/
/**
```

```
* Base class for all implementations of assertions for { @link Throwable}s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*     for more details.
* @param <ACTUAL> the type of the "actual" value.
*
* @author David DIDIER
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Jack Gough
```

\* @author Mike Gilchrist

\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractThrowableAssert.java

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\*/

/\*\*

\* Base class for all implementations of assertions for { @link Class }es.

\*

\* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

\* `target="_blank">Emulating 'self types' using Java Generics to simplify fluent API`

`implementation</a>&quot;`

\* `for more details.`

\*

\* @author William Delanoue

\* @author Mikhail Mazursky

\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractClassAssert.java

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\*/

/\*\*

\* Base class for implementations of `{ @link ObjectEnumerableAssert }` whose actual value type is

\* `{ @link Collection }`.

\*

\* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

\* `target="_blank">Emulating 'self types' using Java Generics to simplify fluent API`

implementation&quot;

\* `for more details.`

\* @param <ACTUAL> the type of the "actual" value.

\* @param <ELEMENT> the type of elements of the "actual" value.

\* @param <ELEMENT\_ASSERT> used for navigational assertions to return the right assert type.

\*

\* @author Yvonne Wang

\* @author Alex Ruiz

\* @author Mathieu Baechler

\* @author Joel Costigliola

\* @author Maciej Jaskowski

\* @author Nicolas François

\* @author Mikhail Mazursky

\* @author Mateusz Haligowski

\* @author Lovro Pandzic

\* @author Marko Bekhta

\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-

jar/org/assertj/core/api/AbstractIterableAssert.java

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\*/

```
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 * Base class for all implementations of assertions for { @link BigDecimal}s.
 *
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 * implementation</a>&quot;
 *     for more details.
 *
 *
 * @author Drummond Dawson
 * @author David DIDIER
 * @author Ted M. Young
 * @author Yvonne Wang
 * @author Alex Ruiz
 * @author Joel Costigliola
 * @author Mikhail Mazursky
 */
```

Found in path(s):

```
* /opt/cola/permits/1341130270_1654817020.9922328/0/assertj-core-3-22-0-sources-
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```

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 */
```

```
/**
 * Base class for all implementations of assertions for { @link Character}s.
 *
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 * implementation</a>&quot;
 *     for more details.
 *
 *
 * @author Yvonne Wang
 * @author David DIDIER
 * @author Ansgar Konermann
 * @author Alex Ruiz
 */
```

\* @author Joel Costigliola  
\* @author Mikhail Mazursky  
\*/

Found in path(s):

\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractCharacterAssert.java

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/\*\*

\* Base class for all implementations of assertions for { @link Long}s.

\*

\* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

\* [target="\\_blank">Emulating 'self types' using Java Generics to simplify fluent API](#)

implementation</a>&quot;

\* [for more details.](#)

\*

\* @author Drummond Dawson

\* @author Yvonne Wang

\* @author David DIDIER

\* @author Ansgar Konermann

\* @author Alex Ruiz

\* @author Joel Costigliola

\* @author Mikhail Mazursky

\* @author Nicolas François

\* @author Cal027

\*/

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 \*/  
 /\*\*  
 \* Base class for all implementations of assertions for { @link LongAdder}s.  
 \*  
 \* @param <SELF> the "self" type of this assertion class. Please read ["Emulating 'self types' using Java Generics to simplify fluent API implementation"](http://bit.ly/1IZIRcY)  
 \* for more details.  
 \*  
 \* @author Grzegorz Piwowarek  
 \* @since 3.16.0  
 \*/

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\* /opt/cola/permits/1341130270\_1654817020.9922328/0/assertj-core-3-22-0-sources-jar/org/assertj/core/api/AbstractLongAdderAssert.java

# 1.388 dedent 0.7.0

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\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/NOPLoggerFactory.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/spi/MDCAdapter.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/MarkerFactory.java  
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\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/MessageFormatter.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/Marker.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/BasicMDCAdapter.java  
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\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/ILoggerFactory.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/impl/StaticMDCBinder.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/MarkerIgnoringBase.java  
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jar/org/slf4j/helpers/NamedLoggerBase.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/BasicMarkerFactory.java  
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\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/LoggerFactory.java  
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\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/SubstituteLogger.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/Logger.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/spi/MarkerFactoryBinder.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/NOPLLogger.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/IMarkerFactory.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/SubstituteLoggerFactory.java

# 1.392 jest-message-util 28.1.3

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# 1.395 stylis 4.0.13

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# 1.396 system-configuration-configurationmanager 6.0.0

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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Martin Richards  
23 February 2007

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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Title: Dealing with commas in a CSV file

Content: <https://stackoverflow.com/a/769713>

Question author: Bob The Janitor -- <https://stackoverflow.com/users/55102/bob-the-janitor>

Answer author: harp -- <https://stackoverflow.com/users/4525/harpo>

Use:

<https://github.com/dotnet/coreclr/blob/a9074bce5e3814db67dbec1c56f477202164d162/tests/src/sizeondisk/sodbench/SoDBench.cs#L738>

```
<Project Sdk="Microsoft.NET.Sdk">
  <PropertyGroup>
    <OutputType>Exe</OutputType>
    <ApplicationManifest>App.manifest</ApplicationManifest>
  </PropertyGroup>
  <ItemGroup>
    <Compile Include="Program.cs" />
    <Compile Include="..\..\ServerContracts/Server.CoClasses.cs" />
    <Compile Include="..\..\ServerContracts/Server.Contracts.cs" />
    <Compile Include="..\..\ServerContracts/ServerGuids.cs" />
  </ItemGroup>
  <ItemGroup>
    <ProjectReference Include="..\..\NativeServer/CMakeLists.txt" />
    <ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
  </ItemGroup>
</Project>
```

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Use: <https://github.com/mono/mono/blob/23e6f6f4b58d72800f4e27fa29a6b58806ff475f/mono/mini/bench.cs#L65>

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<https://github.com/santoshshahoo/nbench> (mirror of the same code)

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\*\* Rick Grehan, BYTE Magazine

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# 1.401 system-security-cryptography-protecteddata 6.0.0

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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By Sean Eron Anderson  
seander@cs.stanford.edu

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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John R. Hauser  
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Content: <https://stackoverflow.com/a/769713>

Question author: Bob The Janitor -- <https://stackoverflow.com/users/55102/bob-the-janitor>

Answer author: harp -- <https://stackoverflow.com/users/4525/harpo>

Use:

<https://github.com/dotnet/coreclr/blob/a9074bce5e3814db67dbec1c56f477202164d162/tests/src/sizeondisk/sodbench/SoDBench.cs#L738>

```
<Project Sdk="Microsoft.NET.Sdk">
```

```
<PropertyGroup>
```

```
<OutputType>Exe</OutputType>
```

```
<ApplicationManifest>App.manifest</ApplicationManifest>
```

```
</PropertyGroup>
```

```
<ItemGroup>
```

```
<Compile Include="Program.cs" />
```

```
<Compile Include="..\..\ServerContracts/Server.CoClasses.cs" />
```

```
<Compile Include="..\..\ServerContracts/Server.Contracts.cs" />
```

```
<Compile Include="..\..\ServerContracts/ServerGuids.cs" />
```

```
</ItemGroup>
```

```
<ItemGroup>
```

```
<ProjectReference Include="..\..\NativeServer/CMakeLists.txt" />
```

```
<ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
```

```
</ItemGroup>
```

```
</Project>
```

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<https://github.com/santoshshahoo/nbench> (mirror of the same code)

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- \*/

Found in path(s):

- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/DomainSocketAddress.java
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/FileDescriptor.java
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/netty\_unix\_filedescriptor.c
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/ServerDomainSocketChannel.java
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/UnixChannel.java
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/NativeInetAddress.java
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/DomainSocketChannel.java
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/DomainSocketChannelConfig.java
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/DatagramSocketAddress.java
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/netty\_unix\_errors.c
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/netty\_unix\_errors.h
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/netty\_unix\_filedescriptor.h
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/DomainSocketReadMode.java
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/Socket.java
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/netty\_unix\_socket.h
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/Errors.java
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/netty\_unix\_socket.c

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```

Found in path(s):

```
* /opt/cola/permits/1648885566_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java
* /opt/cola/permits/1648885566_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/netty_unix_util.c
* /opt/cola/permits/1648885566_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java
* /opt/cola/permits/1648885566_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/PeerCredentials.java
* /opt/cola/permits/1648885566_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/netty_unix_limits.h
* /opt/cola/permits/1648885566_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/netty_unix_limits.c
* /opt/cola/permits/1648885566_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/SocketWritableByteChannel.java
* /opt/cola/permits/1648885566_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/Limits.java
* /opt/cola/permits/1648885566_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/netty_unix_util.h
```

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Found in path(s):

\* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/META-INF/maven/io.netty/netty-transport-native-unix-common/pom.xml

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Found in path(s):

\* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/package-info.java

\* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/UnixChannelOption.java

\* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/Unix.java

\* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/IovArray.java

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- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/netty\_unix\_jni.h
- \* /opt/cola/permits/1648885566\_1682075905.624248/0/netty-transport-native-unix-common-4-1-91-final-sources-1-jar/io/netty/channel/unix/UnixChannelUtil.java

## 1.415 @types/react 18.0.21

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## 1.416 acorn 7.4.1

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## 1.417 strip-final-newline 3.0.0

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## 1.419 io-swagger-swagger-annotations 2.1.12

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Manifest-Version: 1.0

Bundle-Description: swagger-annotations

Automatic-Module-Name: io.swagger.v3.oas.annotations

Bundle-License: "Apache License 2.0";link="http://www.apache.org/licenses/LICENSE-2.0.html"

package: io.swagger

Bundle-SymbolicName: io.swagger.core.v3.swagger-annotations

implementation-version: 2.1.12

Built-By: runner

Bundle-ManifestVersion: 2

Bundle-DocURL: <https://github.com/swagger-api/swagger-core/modules/swagger-annotations>

Import-Package: io.swagger.v3.oas.annotations,io.swagger.v3.oas.annotations.enums,io.swagger.v3.oas.annotations.extensions,io.swagger.v3.oas.annotations.headers,io.swagger.v3.oas.annotations.info,io.swagger.v3.oas.annotations.links,io.swagger.v3.oas.annotations.media,io.swagger.v3.oas.annotations.parameters,io.swagger.v3.oas.annotations.responses,io.swagger.v3.oas.annotations.security,io.swagger.v3.oas.annotations.servers,io.swagger.v3.oas.annotations.tags

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Bundle-Developers: fehguy;email="fehguy@gmail.com";name="Tony Tam",web  
ron;email="webron@gmail.com";name="Ron Ratovsky"

url: <https://github.com/swagger-api/swagger-core/modules/swagger-annotations>

mode: development

```
Export-Package: io.swagger.v3.oas.annotations;uses:="io.swagger.v3.oas
.annotations.enums,io.swagger.v3.oas.annotations.extensions,io.swagge
r.v3.oas.annotations.info,io.swagger.v3.oas.annotations.media,io.swag
ger.v3.oas.annotations.parameters,io.swagger.v3.oas.annotations.respo
nses,io.swagger.v3.oas.annotations.security,io.swagger.v3.oas.annotat
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agger.v3.oas.annotations.enums;version="2.1.12",io.swagger.v3.oas.ann
otations.extensions;version="2.1.12",io.swagger.v3.oas.annotations.he
aders;uses:="io.swagger.v3.oas.annotations.media";version="2.1.12",io
.swagger.v3.oas.annotations.info;uses:="io.swagger.v3.oas.annotations
.extensions";version="2.1.12",io.swagger.v3.oas.annotations.links;use
s:="io.swagger.v3.oas.annotations.extensions,io.swagger.v3.oas.annota
tions.servers";version="2.1.12",io.swagger.v3.oas.annotations.media;u
ses:="io.swagger.v3.oas.annotations,io.swagger.v3.oas.annotations.ext
ensions,io.swagger.v3.oas.annotations.headers";version="2.1.12",io.sw
agger.v3.oas.annotations.parameters;uses:="io.swagger.v3.oas.annotati
ons.extensions,io.swagger.v3.oas.annotations.media";version="2.1.12",
io.swagger.v3.oas.annotations.responses;uses:="io.swagger.v3.oas.anno
tations.extensions,io.swagger.v3.oas.annotations.headers,io.swagger.v
3.oas.annotations.links,io.swagger.v3.oas.annotations.media";version=
"2.1.12",io.swagger.v3.oas.annotations.security;uses:="io.swagger.v3.
oas.annotations.enums,io.swagger.v3.oas.annotations.extensions";versi
on="2.1.12",io.swagger.v3.oas.annotations.servers;uses:="io.swagger.v
3.oas.annotations.extensions";version="2.1.12",io.swagger.v3.oas.anno
tations.tags;uses:="io.swagger.v3.oas.annotations,io.swagger.v3.oas.a
nnotations.extensions";version="2.1.12"
```

Bundle-Name: swagger-annotations

Bundle-Version: 2.1.12

Bundle-SCM: url="https://github.com/swagger-api/swagger-core/modules/s
wagger-annotations",connection="scm:git:git@github.com:swagger-api/sw
agger-core.git/modules/swagger-annotations",developer-connection="scm
:git:git@github.com:swagger-api/swagger-core.git/modules/swagger-anno
tations",tag=HEAD

Created-By: Apache Maven 3.8.4

Build-Jdk: 1.8.0\_312

Found in path(s):

\* /opt/cola/permits/1340031602\_1654736977.0737062/0/swagger-annotations-2-1-12-jar/META-
INF/MANIFEST.MF

## 1.420 which 2.0.2

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## 1.421 strip-ansi 6.0.1

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## 1.422 @jridgewell/sourcemap-codec 1.4.14

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```
* /opt/cola/permits/1642073257_1681732329.544881/0/ipaddress-5-3-4-2-
jar/inet/ipaddr/IPAddressResources.properties
```

## 1.426 @tsconfig/node14 1.0.3

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## 1.428 Ijharb-object-assign 4.1.4

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## 1.429 is-negative-zero 2.0.2

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* /opt/ws_local/PERMITS_SQL/1091222660_1600451159.74/0/estools-esrecurse-v4-3-0-0-g8ceb637-tar-
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/Pointcut.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/AfterThrowing.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/AtAjAttributes.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/Aspect.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/Before.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/Around.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelPerClauseAspectAdder.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/ProceedingJoinPoint.java

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\* Lyor Goldstein (vmware) add support for weaved class being re-defined  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/ZipedFileCacheBacking.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ResolvedTypeMunger.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelTypeMunger.java  
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\* variant of Aspects in the aspectj5rt project - this one isn't Java5 - Andy Clement

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/Trace.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-

```
jar/org/aspectj/weaver/tools/AbstractTrace.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/tools/DefaultTrace.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/tools/TraceFactory.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/tools/DefaultTraceFactory.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/bridge/Constants.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/bridge/IMessageContext.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/tools/Jdk14Trace.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/tools/CommonsTraceFactory.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/tools/Jdk14TraceFactory.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/tools/CommonsTrace.java
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- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelAnnotation.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/TemporaryTypeMunger.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/IUnwovenClassFile.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/AbstractAnnotationAJ.java

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- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/WildcardedUnresolvedType.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ArrayReferenceType.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelWeavingSupport.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/AnnotationAccessFieldVar.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/IWeavingSupport.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ExactAnnotationFieldTypePattern.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/BindingAnnotationFieldTypePattern.java

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- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/Deprecated.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/ExceptionTable.java
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- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/BranchHandle.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/LineNumberGen.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/FieldGen.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/BasicType.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/ConstantInteger.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/NestHost.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/ConstantInvokeDynamic.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/InstructionLV.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/SwitchBuilder.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/IINC.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/util/NonCachingClassLoaderRepository.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/ConstantCP.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/StackMapEntry.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/ConstantLong.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/ConstantString.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/LOOKUPSWITCH.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-

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jar/org/aspectj/apache/bcel/classfile/ConstantUtf8.java  
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jar/org/aspectj/apache/bcel/classfile/LocalVariableTable.java  
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jar/org/aspectj/apache/bcel/classfile/ClassParser.java  
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jar/org/aspectj/apache/bcel/classfile/Method.java  
No license file was found, but licenses were detected in source scan.

```
/* *****  
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* This program and the accompanying materials are made available  
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* https://www.eclipse.org/org/documents/epl-2.0/EPL-2.0.txt  
*  
* Contributors:  
*   PARC   initial implementation  
* *****
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/bcel/BcelClassWeaver.java  
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jar/org/aspectj/weaver/patterns/AndTypePattern.java  
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jar/org/aspectj/weaver/model/AsmRelationshipProvider.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/CrosscuttingMembers.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ResolvedPointcutDefinition.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/NameMangler.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/Var.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/And.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ReferencePointcut.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/BasicToken.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/Not.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/NameBindingPointcut.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/SignaturePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ShadowMunger.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/SourceContextImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/MemberImpl.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/IHasPosition.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/Declare.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ITokenSource.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/PrivilegedAccessMunger.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/Pointcut.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/Expr.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelMethod.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelCflowStackFieldAdder.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/NewFieldTypeMunger.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/NotPointcut.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/Literal.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/Lint.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/AjcMemberMaker.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelRenderer.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ConcreteCflowPointcut.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/OrPointcut.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/DeclareErrorOrWarning.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/NewConstructorTypeMunger.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelFieldRef.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/FormalBinding.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/Iterators.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/PerFromSuper.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/PatternNode.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/Test.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/InstanceOf.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/CallExpr.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/DeclarePrecedence.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/TypePatternList.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/Call.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/SimpleScope.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/FieldGetCall.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/IExprVisitor.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelCflowAccessVar.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/NotTypePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/LazyMethodGen.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/Checker.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/Or.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/StaticJoinPointFactory.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/Utility.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/PerCflow.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ConcreteTypeMunger.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/IScope.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/NewParentTypeMunger.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/PerClause.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/FieldGet.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/NamePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/ASTNode.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/AdviceKind.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/ShadowRange.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ArgsPointcut.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/patterns/PerObject.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/ast/ITestVisitor.java
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*
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*   Andy Clement    got it working
* *****/
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*   Martin Lippert   initial implementation
*   Andy Clement
*   Roy Varghese - Bug 473555
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\* generic signature update        Adrian Colyer

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/Utils.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/reflect/DeferredResolvedPointcutDefinition.java

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- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/AnnotationDefault.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactoryImpl11.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/EnclosingMethod.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStack.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadCounter.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/CFlowCounter.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactoryImpl.java

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* *****
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelAdvice.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelShadow.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/CompressingDataOutputStream.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelConstantPoolWriter.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ConstantPoolWriter.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelConstantPoolReader.java

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jar/org/aspectj/runtime/reflect/UnlockSignatureImpl.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/AnnotationOnTypeMunger.java

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jar/org/aspectj/weaver/patterns/NoTypePattern.java  
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\* Contributors:

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\* Heavily based on LocalVariableTable

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jar/org/aspectj/apache/bcel/classfile/LocalVariableTypeTable.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-

jar/org/aspectj/weaver/tools/StandardPointcutExpression.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/BindingAnnotationTypePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/NotAnnotationTypePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/AnnotatedElement.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/AndAnnotationTypePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/ArgsAnnotationPointcut.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/OrAnnotationTypePattern.java  
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jar/org/aspectj/weaver/patterns/ThisOrTargetAnnotationPointcut.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/ExactAnnotationTypePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/BindingPattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/tools/PointcutExpression.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/PointcutEvaluationExpenseComparator.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/internal/tools/TypePatternMatcherImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/WithinAnnotationPointcut.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/internal/tools/StandardPointcutExpressionImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/AnnotationPointcut.java  
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jar/org/aspectj/weaver/patterns/AnnotationPatternList.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/tools/TypePatternMatcher.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/tools/PointcutPrimitive.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/AnnotationTypePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/WildAnnotationTypePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/internal/tools/PointcutExpressionImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/AnyWithAnnotationTypePattern.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/NotSignaturePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/AbstractSignaturePattern.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/definition/Definition.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelAccessForInlineMunger.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/Options.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/Agent.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/ConcreteAspectCodeGen.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/DefaultMessageHandler.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/PerThisOrTargetPointcutVisitor.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/DeclareAnnotation.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisTypeAnnos.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeTypeAnnos.java

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- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/CacheFactory.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/DefaultCacheKeyResolver.java
- \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/DefaultCacheFactory.java
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 jar/org/aspectj/apache/bcel/classfile/ModuleMainClass.java  
 \* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
 jar/org/aspectj/apache/bcel/classfile/ModulePackages.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/MethodParameters.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/IHierarchy.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/HierarchyWalker.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/IMessageHolder.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/FieldSignature.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/CatchClauseSignatureImpl.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/util/PartialOrder.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/FieldSignatureImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/util/FuzzyBoolean.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/SourceLocation.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/CodeSignatureImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/StringMaker.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/JoinPointImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/ISourceLocation.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/InitializerSignatureImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/CFlow.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/IMessage.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/ConstructorSignature.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/MessageHandler.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/JoinPoint.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/Signature.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/ReflectionFactory.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/MemberSignature.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/AdviceSignatureImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/SourceLocation.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/NoAspectBoundException.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/SourceLocationImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/CountingMessageHandler.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/MessageUtil.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/CatchClauseSignature.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/PerObjectMap.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/MemberSignatureImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/AbortException.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/SignatureImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/MessageWriter.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/CodeSignature.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/ConstructorSignatureImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/IMessageHandler.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/CFlowStack.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/MethodSignature.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/Message.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/AdviceSignature.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/CFlowPlusState.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/MethodSignatureImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/Conversions.java  
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jar/org/aspectj/weaver/reflect/ReflectionFastMatchInfo.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/bridge/ILifecycleAware.java  
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\* Andy Clement - June 2005 - separated out from ResolvedType

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ReferenceTypeDelegate.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/IProgramElement.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/IElementHandleProvider.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/IHierarchyListener.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/IRelationshipMap.java

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\* Abraham Nevado - Lucierna simple caching strategy  
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/asm/IModelFilter.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/ArrayAnnotationValue.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/AnnotationAnnotationValue.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/patterns/IVerificationRequired.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/SimpleAnnotationValue.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/AnnotationNameValuePair.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/AnnotationValue.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ClassAnnotationValue.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/internal/NameConvertor.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/internal/CharOperation.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/internal/JDTLikeHandleProvider.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/model/AsmRelationshipUtils.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/TypePath.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Handle.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ClassReader.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/signature/SignatureReader.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/FieldVisitor.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/CurrentFrame.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ModuleVisitor.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ByteVector.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/MethodTooLargeException.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/MethodWriter.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ModuleWriter.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/TypeReference.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ClassWriter.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/FieldWriter.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ClassVisitor.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Attribute.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/AnnotationWriter.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Handler.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/MethodVisitor.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Symbol.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/RecordComponentWriter.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/SymbolTable.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/signature/SignatureWriter.java  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Edge.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Opcodes.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Label.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Constants.java

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\* Lyor Goldstein (vmware) add support for weaved class being re-defined

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/reflect/ReflectionWorld.java

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* Contributors:
*   PARC          initial implementation
*   Andy Clement 6Jul05 generics - signature attribute
*   Abraham Nevado
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/CacheBacking.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/WeavedClassCache.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/AbstractCacheBacking.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/GeneratedCachedClassHandler.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/DefaultFileCacheBacking.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/AbstractFileCacheBacking.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/AbstractIndexedFileCacheBacking.java  
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\* Martin Lippert initial implementation  
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jar/org/aspectj/apache/bcel/classfile/annotation/ElementValue.java
```

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeAnnos.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisAnnos.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
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* Trask Stanalker #373195  
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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/SimpleElementValue.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisAnnos.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeParamAnnos.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/ArrayElementValue.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/ClassElementValue.java

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\*

\* Contributors:

\* Abraham Nevado - Lucierna initial implementation

\* Just a slight variation of current DocumentParser.java from Alexandre Vasseur.

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/definition/SimpleAOPParser.java

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\*

\* Contributors:

- \* PARC initial implementation
- \* Andy Clement start of generics upgrade...
- \* Adrian Colyer - overhaul

\* \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/UnresolvedType.java

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\* Contributors:

- \* Matthew Webster, Adrian Colyer,
- \* Martin Lippert initial implementation
- \* Andy Clement
- \* Abraham Nevado

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Found in path(s):

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/WeavingURLClassLoader.java

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*  
* Contributors:  
*   PARC   initial implementation  
*   AndyClement extracted as self contained type from Lint type (4-Aug-06)  
* *****/
```

Found in path(s):

```
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/LintMessage.java
```

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*  
* Contributors:  
*   Adrian Colyer Initial implementation  
* *****/
```

Found in path(s):

```
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/annotation/DeclareError.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/JoinPointSignatureIterator.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/reflect/ReflectionShadow.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/AdviceImpl.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/InterTypeFieldDeclarationImpl.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/reflect/ReflectionBasedReferenceTypeDelegate.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/DeclareAnnotation.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
```

jar/org/aspectj/lang/reflect/NoSuchAdviceException.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/StringToType.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/DeclareErrorOrWarning.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/TypeVariablePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/MissingResolvedTypeWithKnownSignature.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/PerClauseImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/DeclarePrecedence.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/PerClause.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/AjTypeImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/PointcutImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/DeclareParents.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/reflect/JoinPointMatchImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/annotation/ajcDeclareAnnotation.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/reflect/PointcutParameterImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/DeclarePrecedenceImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/reflect/StandardShadowMatchImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/Advice.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/TypePatternBasedPerClause.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/HasMemberTypePatternFinder.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/InterTypeConstructorDeclaration.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/tools/ContextBasedMatcher.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/SignaturePatternImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/reflect/Java14GenericSignatureInformationProvider.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/reflect/StandardShadow.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-

jar/org/aspectj/weaver/reflect/Java15ReflectionBasedReferenceTypeDelegate.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/reflect/GenericSignatureInformationProvider.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/TypePatternImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/PointcutBasedPerClauseImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/Pointcut.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/SignaturePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/reflect/Java15GenericSignatureInformationProvider.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/bridge/context/ContextToken.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/DeclareErrorOrWarningImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/InterTypeMethodDeclaration.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/reflect/ReflectionBasedReferenceTypeDelegateFactory.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/annotation/ajcDeclareEoW.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/tools/ShadowMatch.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/patterns/ScopeWithTypeVariables.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/annotation/ajcPrivileged.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/DeclareAnnotationImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/PointcutExpression.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/tools/PointcutParameter.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/DeclareParentsImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/InterTypeConstructorDeclarationImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/tools/JoinPointMatch.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/tools/UnsupportedPointcutPrimitiveException.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/JoinPointSignature.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/NoSuchPointcutException.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-

jar/org/aspectj/lang/reflect/AjTypeSystem.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/internal/tools/MatchingContextBasedTest.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/InterTypeDeclarationImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/MatchingContext.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/HasThisTypePatternTriedToSneakInSomeGenericOrParameterizedTypePatternMatchingStuffAnywhereVisitor.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/annotation/ajcITD.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/TypeVariableReference.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/AbstractPatternNodeVisitor.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/PerClauseKind.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelGenericSignatureToTypeXConverter.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/AjType.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/TypePattern.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/InterTypeDeclaration.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/reflect/ReflectionVar.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/PointcutExpressionImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/context/ContextFormatter.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclarePrecedence.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/context/PinpointingMessageHandler.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/TypePatternBasedPerClauseImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/internal/tools/PointcutDesignatorHandlerBasedPointcut.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/DefaultMatchingContext.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/InterTypeFieldDeclaration.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/PointcutBasedPerClause.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/reflect/ShadowMatchImpl.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/DeclareSoftImpl.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclareParents.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/DeclareWarning.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclareSoft.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/PointcutDesignatorHandler.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/AdviceKind.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/DeclareSoft.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/TypeVariablePatternList.java  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/InterTypeMethodDeclarationImpl.java  
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*  
* Contributors:  
* Adrian Colyer      initial implementation  
*/
```

Found in path(s):  
\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/AdviceName.java  
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*  
* Contributors:  
* PARC      initial implementation  
* RonBodkin/AndyClement optimizations for memory consumption/speed  
*/
```

Found in path(s):

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelObjectType.java

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\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelWeaver.java

\* /opt/cola/permits/1337070282\_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ResolvedMemberImpl.java

# 1.439 pidtree 0.6.0

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# 1.440 microsoft-build-framework 17.1.0

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Notice for Samples for xUnit.net  
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-----  
<?xml version="1.0" encoding="UTF-8"?>  
<xsl:stylesheet version="1.0"  
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform"  
    xmlns:sila="http://www.sila-standard.org"  
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
    xsi:schemaLocation="http://www.sila-standard.org  
[https://gitlab.com/SiLA2/sila\\_base/raw/master/schema/FeatureDefinition.xsd](https://gitlab.com/SiLA2/sila_base/raw/master/schema/FeatureDefinition.xsd)>  
    <xsl:output method="text" encoding="UTF-8" indent="no"/>  
  
    <xsl:template match="/sila:Feature">  
        <xsl:call-template name="detect-errors"/>  
    </xsl:template>  
  
    <xsl:template name="detect-errors">  
        <xsl:call-template name="detect-list-of-list"/>  
        <xsl:call-template name="detect-unknown-identifiers"/>  
        <xsl:call-template name="detect-invalid-constraint-base-type"/>  
        <xsl:call-template name="detect-invalid-constraint"/>  
        <xsl:call-template name="detect-duplicate-definitions"/>  
        <xsl:call-template name="detect-cyclic-references"/>  
        <xsl:call-template name="detect-invalid-sila2-version"/>  
        <xsl:call-template name="detect-invalid-constraint-values"/>  
        <xsl:call-template name="detect-intermediate-response-in-unobservable-command"/>

```
</xsl:template>
```

```
<xsl:template name="detect-list-of-list">
```

```
  <xsl:for-each select="//sila:List">
```

```
    <xsl:if test="./sila:DataType/sila:List">
```

```
      <xsl:message terminate="yes">Nested lists are not allowed</xsl:message>
```

```
    </xsl:if>
```

```
  </xsl:for-each>
```

```
</xsl:template>
```

```
<xsl:template name="detect-unknown-identifiers">
```

```
  <xsl:for-each select="//sila:DefinedExecutionErrors/sila:Identifier">
```

```
    <xsl:if test="not(//sila:DefinedExecutionError/sila:Identifier/text() = ./text())">
```

```
      <xsl:message terminate="yes">DefinedExecutionError '<xsl:value-of select="text()"/>' is not defined</xsl:message>
```

```
    </xsl:if>
```

```
  </xsl:for-each>
```

```
  <xsl:for-each select="//sila:DataTypeIdentifier">
```

```
    <xsl:if test="not(//sila:DataTypeDefinition/sila:Identifier/text() = ./text())">
```

```
      <xsl:message terminate="yes">Data type identifier '<xsl:value-of select="text()"/>' is not defined</xsl:message>
```

```
    </xsl:if>
```

```
  </xsl:for-each>
```

```
</xsl:template>
```

```
<xsl:template name="detect-invalid-constraint-base-type">
```

```
  <xsl:for-each select="//sila:Constrained">
```

```
    <xsl:choose>
```

```
      <xsl:when test="sila:DataType/sila:Structure">
```

```
        <xsl:message terminate="yes">Constrained structures are not allowed</xsl:message>
```

```
      </xsl:when>
```

```
      <xsl:when test="sila:DataType/sila:Constrained">
```

```
        <xsl:message terminate="yes">Constrained constrained types are not allowed</xsl:message>
```

```
      </xsl:when>
```

```
      <xsl:when test="sila:DataType/sila:DataTypeIdentifier">
```

```
        <xsl:message terminate="yes">Constrained data type identifiers are not allowed</xsl:message>
```

```
      </xsl:when>
```

```
      <xsl:when test="sila:DataType/sila:Basic/text() = 'Boolean'">
```

```
        <xsl:message terminate="yes">Constrained booleans are not allowed</xsl:message>
```

```
      </xsl:when>
```

```
    </xsl:choose>
```

```
  </xsl:for-each>
```

```
</xsl:template>
```

```
<xsl:template name="detect-invalid-constraint">
```

```
  <xsl:for-each select="//sila:Constrained">
```

```
    <xsl:choose>
```

```
      <xsl:when test="sila:DataType/sila:Basic/text() = 'String'">
```

```

<xsl:for-each select="sila:Constraints/*">
  <xsl:if test="not(
    local-name() = 'Length'
    or local-name() = 'MinimalLength'
    or local-name() = 'MaximalLength'
    or local-name() = 'Pattern'
    or local-name() = 'ContentType'
    or local-name() = 'FullyQualifiedIdentifier'
    or local-name() = 'Schema'
    or local-name() = 'Set'
  )">
    <xsl:message terminate="yes">Invalid constraint on type String: '<xsl:value-of select="local-
name()"/>'</xsl:message>
  </xsl:if>
</xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Integer'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'Set'
      or local-name() = 'MaximalInclusive'
      or local-name() = 'MaximalExclusive'
      or local-name() = 'MinimalInclusive'
      or local-name() = 'MinimalExclusive'
      or local-name() = 'Unit'
    )">
      <xsl:message terminate="yes">Invalid constraint on type Integer: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Real'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'Set'
      or local-name() = 'MaximalInclusive'
      or local-name() = 'MaximalExclusive'
      or local-name() = 'MinimalInclusive'
      or local-name() = 'MinimalExclusive'
      or local-name() = 'Unit'
    )">
      <xsl:message terminate="yes">Invalid constraint on type Real: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Binary'">
  <xsl:for-each select="sila:Constraints/*">

```

```

    <xsl:if test="not(
      local-name() = 'Length'
      or local-name() = 'MinimalLength'
      or local-name() = 'MaximalLength'
      or local-name() = 'ContentType'
      or local-name() = 'Schema'
    )">
      <xsl:message terminate="yes">Invalid constraint on type Binary: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Date'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'Set'
      or local-name() = 'MaximalInclusive'
      or local-name() = 'MaximalExclusive'
      or local-name() = 'MinimalInclusive'
      or local-name() = 'MinimalExclusive'
    )">
      <xsl:message terminate="yes">Invalid constraint on type Date: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Time'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'Set'
      or local-name() = 'MaximalInclusive'
      or local-name() = 'MaximalExclusive'
      or local-name() = 'MinimalInclusive'
      or local-name() = 'MinimalExclusive'
    )">
      <xsl:message terminate="yes">Invalid constraint on type Time: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Timestamp'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'Set'
      or local-name() = 'MaximalInclusive'
      or local-name() = 'MaximalExclusive'
      or local-name() = 'MinimalInclusive'
      or local-name() = 'MinimalExclusive'
    )">

```

```

    )">
    <xsl:message terminate="yes">Invalid constraint on type Timestamp: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Any'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'AllowedTypes'
    )">
      <xsl:message terminate="yes">Invalid constraint on type Any: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:List">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'ElementCount'
      or local-name() = 'MinimalElementCount'
      or local-name() = 'MaximalElementCount'
    )">
      <xsl:message terminate="yes">Invalid constraint on type List: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
</xsl:choose>
</xsl:for-each>
</xsl:template>

<xsl:template name="detect-duplicate-definitions">
  <xsl:for-each select="//sila:DefinedExecutionError/sila:Identifier">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:DefinedExecutionError/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Execution error '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:DataTypeDefinition/sila:Identifier/text()">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:DataTypeDefinition/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Data type '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:Command/sila:Identifier/text()">

```

```

    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:Command/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Command '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:Property/sila:Identifier/text()">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:Property/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Property '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:Metadata/sila:Identifier/text()">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:Metadata/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Metadata '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:Command">
    <xsl:variable name="current-command" select="."/>
    <xsl:for-each select="sila:Parameter/sila:Identifier/text()">
      <xsl:variable name="current-id" select="."/>
      <xsl:if test="count($current-command/sila:Parameter/sila:Identifier[text() = $current-id]) > 1">
        <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': parameter '<xsl:value-of select="."/>' is defined multiple times</xsl:message>
      </xsl:if>
    </xsl:for-each>
    <xsl:for-each select="sila:IntermediateResponse/sila:Identifier/text()">
      <xsl:variable name="current-id" select="."/>
      <xsl:if test="count($current-command/sila:IntermediateResponse/sila:Identifier[text() = $current-id]) >
1">
        <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': intermediate response '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
      </xsl:if>
    </xsl:for-each>
    <xsl:for-each select="sila:Response/sila:Identifier/text()">
      <xsl:variable name="current-id" select="."/>
      <xsl:if test="count($current-command/sila:Response/sila:Identifier[text() = $current-id]) > 1">
        <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': response '<xsl:value-of select="."/>' is defined multiple times</xsl:message>
      </xsl:if>
    </xsl:for-each>
    <xsl:for-each select="sila:DefinedExecutionErrors/sila:Identifier/text()">
      <xsl:variable name="current-id" select="."/>
      <xsl:if test="count($current-command/sila:DefinedExecutionErrors/sila:Identifier[text() = $current-id]) >

```

```

1">
    <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': execution error '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:for-each>
</xsl:template>

<xsl:template name="detect-cyclic-references">
  <xsl:for-each select="//sila:DataTypeDefinition">
    <xsl:variable name="outer-def" select="."/>
    <xsl:variable name="outer-id" select="sila:Identifier/text()"/>
    <xsl:for-each select="//sila:DataTypeDefinition">
      <xsl:variable name="inner-def" select="."/>
      <xsl:variable name="inner-id" select="sila:Identifier/text()"/>
      <xsl:if test="($inner-id != $outer-id) and $inner-def/descendant::sila:DataTypeIdentifier[text() = $outer-id]
and $outer-def/descendant::sila:DataTypeIdentifier[text() = $inner-id]">
        <xsl:message terminate="yes">Cyclic reference in data type definitions '<xsl:value-of select="$outer-
id"/>' and '<xsl:value-of select="$inner-id"/>'</xsl:message>
      </xsl:if>
    </xsl:for-each>
  </xsl:for-each>
</xsl:template>

<xsl:template name="detect-invalid-sila2-version">
  <xsl:variable name="sila2-version" select="@SiLA2Version"/>
  <xsl:if test="not ($sila2-version = '1.0' or $sila2-version = '1.1')">
    <xsl:message terminate="yes">Invalid SiLA2 version: '<xsl:value-of select="$sila2-
version"/>'</xsl:message>
  </xsl:if>
</xsl:template>

<xsl:template name="detect-invalid-constraint-values">
  <xsl:for-each select="//sila:Set/sila:Value | //sila:MaximalExclusive | //sila:MaximalInclusive |
//sila:MinimalExclusive | //sila:MinimalInclusive">
    <xsl:variable name="type" select="ancestor::sila:Constrained/sila:DataType/sila:Basic/text()"/>
    <!-- Integer -->
    <xsl:if test="$type = 'Integer' and local-name() = 'Value'">
      <xsl:call-template name="validate-integer">
        <xsl:with-param name="value" select="text()"/>
      </xsl:call-template>
    </xsl:if>
    <!-- Real -->
    <xsl:if test="$type = 'Real' or ($type = 'Integer' and substring(local-name(), 1, 1) = 'M')">
      <xsl:call-template name="validate-real">
        <xsl:with-param name="value" select="text()"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:for-each>

```

```

</xsl:if>
<!-- Date -->
<xsl:if test="$type = 'Date'">
  <xsl:call-template name="validate-date">
    <xsl:with-param name="date" select="substring(text(), 1, 10)"/>
  </xsl:call-template>
  <xsl:call-template name="validate-timezone">
    <xsl:with-param name="timezone" select="substring(text(), 11)"/>
  </xsl:call-template>
</xsl:if>
<!-- Time -->
<xsl:if test="$type = 'Time'">
  <xsl:call-template name="validate-time">
    <xsl:with-param name="time" select="substring(text(), 1, 8)"/>
  </xsl:call-template>
  <xsl:call-template name="validate-timezone">
    <xsl:with-param name="timezone" select="substring(text(), 9)"/>
  </xsl:call-template>
</xsl:if>
<!-- Timestamp -->
<xsl:if test="$type = 'Timestamp'">
  <xsl:call-template name="validate-date">
    <xsl:with-param name="date" select="substring(text(), 1, 10)"/>
  </xsl:call-template>
  <xsl:if test="substring(text(), 11, 1) != 'T'">
    <xsl:message terminate="yes">Invalid Timestamp: 11th character must be 'T'</xsl:message>
  </xsl:if>
  <xsl:call-template name="validate-time">
    <xsl:with-param name="time" select="substring(text(), 12, 8)"/>
  </xsl:call-template>
  <xsl:call-template name="validate-timezone">
    <xsl:with-param name="timezone" select="substring(text(), 20)"/>
  </xsl:call-template>
</xsl:if>
</xsl:for-each>
<xsl:for-each select="//sila:AllowedTypes//sila:DataTypeIdentifier">
  <xsl:message terminate="yes">DataTypeIdentifier is not allowed in AllowedTypes</xsl:message>
</xsl:for-each>
</xsl:template>

<xsl:template name="validate-integer">
  <xsl:param name="value"/>

  <xsl:if test="not(string-length($value) > 0 and concat(translate(substring($value, 1, 1), '+-0123456789', ''),
translate(substring($value, 2), '0123456789', '')) = '')">
    <xsl:message terminate="yes">Not an integer value: '<xsl:value-of select="$value" />'</xsl:message>
  </xsl:if>
</xsl:template>

```

```

<xsl:template name="validate-real">
  <xsl:param name="value"/>

  <xsl:choose>
    <xsl:when test="$value = 'INF' or $value = '-INF' or $value = '+INF' or $value = 'NaN'"/>
    <xsl:when test="contains($value, 'e') or contains($value, 'E')">
      <xsl:variable name="lowercase-value" select="translate($value, 'E', 'e')"/>
      <xsl:call-template name="validate-float">
        <xsl:with-param name="value" select="substring-before($lowercase-value, 'e')"/>
      </xsl:call-template>
      <xsl:call-template name="validate-integer">
        <xsl:with-param name="value" select="substring-after($lowercase-value, 'e')"/>
      </xsl:call-template>
    </xsl:when>
    <xsl:otherwise>
      <xsl:call-template name="validate-float">
        <xsl:with-param name="value" select="$value"/>
      </xsl:call-template>
    </xsl:otherwise>
  </xsl:choose>

</xsl:template>

<xsl:template name="validate-float">
  <xsl:param name="value"/>

  <!-- first character is in '+-.0123456789' and rest is in '.0123456789' -->
  <xsl:if test="translate(substring($value, 1, 1), '+-.0123456789', '') != " or translate(substring($value, 2),
'.0123456789', '') != "">
    <xsl:message terminate="yes">Not a decimal value: '<xsl:value-of select="$value"/>'</xsl:message>
  </xsl:if>
  <!-- only '0123456789' is allowed after the first '.' -->
  <xsl:if test="contains($value, '.') and translate(substring-after($value, '.'), '0123456789', '') != "">
    <xsl:message terminate="yes">Not a decimal value: '<xsl:value-of select="$value"/>'</xsl:message>
  </xsl:if>
</xsl:template>

<xsl:template name="validate-timezone">
  <xsl:param name="timezone"/>
  <!-- Z -->
  <xsl:if test="$timezone != 'Z'">
    <!-- 6 chars -->
    <xsl:if test="string-length($timezone) != 6">
      <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <!-- char 1 is + or - -->

```

```

    <xsl:if test="not(contains('+-', substring($timezone, 1, 1)))">
      <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <!-- chars 2, 3, 5 and 6 are numbers - -->
    <xsl:if test="not(translate(concat(substring($timezone, 2, 2), substring($timezone, 5, 2)), '0123456789', '') =
'')">
      <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <!-- char 4 is : -->
    <xsl:if test="not(substring($timezone, 4, 1) = ':')">
      <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <xsl:variable name="hour" select="number(substring($timezone, 2, 2))"/>
    <xsl:variable name="minute" select="number(substring($timezone, 5, 2))"/>
    <xsl:if test="0 > $minute or $minute > 59 or 0 > $hour">
      <xsl:message terminate="yes">Invalid Timezone format: Minute must be in range 00-59, was '<xsl:value-
of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <xsl:if test="$minute + $hour * 60 > 840">
      <xsl:message terminate="yes">Invalid Timezone format: Must be in range -14:00 to +14:00, was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
  </xsl:if>
</xsl:template>

<xsl:template name="validate-date">
  <xsl:param name="date"/>
  <xsl:if test="string-length($date) != 10">
    <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD', was '<xsl:value-of
select="$date"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="translate(concat(substring($date, 1, 4), substring($date, 6, 2), substring($date, 9, 2)), '0123456789',
') != ''">
    <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD', was '<xsl:value-of
select="$date"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="concat(substring($date, 5, 1), substring($date, 8, 1)) != '--">
    <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD', was '<xsl:value-of
select="$date"/>'</xsl:message>
  </xsl:if>
  <xsl:variable name="year" select="number(substring($date, 1, 4))"/>
  <xsl:variable name="month" select="number(substring($date, 6, 2))"/>
  <xsl:variable name="day" select="number(substring($date, 9, 2))"/>
  <xsl:if test="$month > 12 or $day > 31">
    <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (month or day out of range),

```

```

was '<xsl:value-of select="$date"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="($month = 4 or $month = 6 or $month = 9 or $month = 11) and $day > 30">
    <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="$month = 2">
    <xsl:if test="$day > 29">
      <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
    </xsl:if>
    <xsl:if test="$year mod 4 != 0 and $day > 28">
      <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
    </xsl:if>
    <xsl:if test="$year mod 100 = 0 and $year mod 400 != 0 and $day > 28">
      <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
    </xsl:if>
  </xsl:if>
</xsl:template>

<xsl:template name="validate-time">
  <xsl:param name="time"/>
  <xsl:if test="string-length($time) != 8">
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS', was '<xsl:value-of
select="$time"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="translate(concat(substring($time, 1, 2), substring($time, 4, 2), substring($time, 7, 2)),
'0123456789', '') != """>
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS', was '<xsl:value-of
select="$time"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="concat(substring($time, 3, 1), substring($time, 6, 1)) != ':'">
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS', was '<xsl:value-of
select="$time"/>'</xsl:message>
  </xsl:if>
  <xsl:variable name="hour" select="number(substring($time, 1, 2))"/>
  <xsl:variable name="minute" select="number(substring($time, 4, 2))"/>
  <xsl:variable name="second" select="number(substring($time, 7, 2))"/>
  <xsl:if test="$hour > 23 or $minute > 59 or $second > 59">
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS' (hour, minute or seconds out of
range), was '<xsl:value-of select="$time"/>'</xsl:message>
  </xsl:if>
</xsl:template>

<xsl:template name="detect-intermediate-response-in-unobservable-command">
  <xsl:for-each select="//sila:Command[sila:Observable/text() = 'No']/sila:IntermediateResponse">

```

```
<xsl:message terminate="yes">Unobservable commands must not have intermediate
responses</xsl:message>
</xsl:for-each>
</xsl:template>
</xsl:stylesheet>
```

## 1.441 function-bind 1.1.1

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## 1.454 apache-httpmime 4.5.13

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# 1.455 @peculiar/json-schema 1.1.12

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# 1.457 maven-wagon-api 1.0-alpha-6

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 */
```

Found in path(s):

```
* /opt/cola/permits/1005426900_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-jar/org/apache/maven/wagon/InputData.java
* /opt/cola/permits/1005426900_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-jar/org/apache/maven/wagon/events/TransferListener.java
* /opt/cola/permits/1005426900_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-jar/org/apache/maven/wagon/PermissionModeUtils.java
* /opt/cola/permits/1005426900_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-jar/org/apache/maven/wagon/events/TransferEventSupport.java
* /opt/cola/permits/1005426900_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-jar/org/apache/maven/wagon/repository/Repository.java
* /opt/cola/permits/1005426900_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-jar/org/apache/maven/wagon/WagonException.java
* /opt/cola/permits/1005426900_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-jar/org/apache/maven/wagon/authentication/AuthenticationException.java
* /opt/cola/permits/1005426900_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-jar/org/apache/maven/wagon/observers/ChecksumObserver.java
* /opt/cola/permits/1005426900_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-jar/org/apache/maven/wagon/CommandExecutionException.java
* /opt/cola/permits/1005426900_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-jar/org/apache/maven/wagon/resource/Resource.java
* /opt/cola/permits/1005426900_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-
```

jar/org/apache/maven/wagon/AbstractWagon.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/OutputData.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/observers/Debug.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/authentication/AuthenticationInfo.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/CommandExecutor.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/LazyFileOutputStream.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/repository/RepositoryPermissions.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/PathUtils.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/ConnectionException.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/UnsupportedProtocolException.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/Wagon.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/events/SessionEventSupport.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/ResourceDoesNotExistException.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/authorization/AuthorizationException.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/events/SessionListener.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/observers/AbstractTransferListener.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/StreamWagon.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/WagonConstants.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/proxy/ProxyInfo.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/events/SessionEvent.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/events/WagonEvent.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/WagonUtils.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/TransferFailedException.java  
\* /opt/cola/permits/1005426900\_1655980769.7308238/0/wagon-provider-api-1-0-alpha-6-sources-2-  
jar/org/apache/maven/wagon/events/TransferEvent.java

# 1.458 lines-and-columns 1.2.4

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# 1.459 js-yaml-native-js-port-of-pyyaml 3.14.1

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# 1.460 map-obj 4.3.0

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## 1.461 objenesis 3.2

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```
[
  JsDoc {
    span: Span {
      lo: BytePos(
        1,
      ),
      hi: BytePos(
        1,
      ),
      ctxt: #0,
    },
    description: Text {
      span: Span {
        lo: BytePos(
          1,
        ),
        hi: BytePos(
          1,
        ),
        ctxt: #0,
      },
      value: Atom(" type=static"),
    },
    tags: [
      TagItem {
        span: Span {
          lo: BytePos(
            1,
          ),
          hi: BytePos(
            12,
          ),
          ctxt: #0,
        },
        tag_name: Text {
          span: Span {
            lo: BytePos(
              1,
            ),
            hi: BytePos(
              12,
            ),
            ctxt: #0,
          },
          value: Atom('constructor' type=static),
        },
      },
    ],
  },
]
```

```

tag: Class(
  ClassTag {
    span: Span {
      lo: BytePos(
        1,
      ),
      hi: BytePos(
        12,
      ),
      ctxt: #0,
    },
    ty: Some(
      Text {
        span: Span {
          lo: BytePos(
            1,
          ),
          hi: BytePos(
            36,
          ),
          ctxt: #0,
        },
        value: Atom('@copyright (c) 2011 Michael Mathews' type=dynamic),
      },
    ),
    name: None,
  },
),
],
},
]

```

## 1.474 jest-pnp-resolver 1.2.2

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#  <https://github.com/yarnpkg/rfcs/pull/101> resolver for Jest

[![npm version](https://img.shields.io/npm/v/jest-pnp-resolver.svg)](https://www.npmjs.com/package/jest-pnp-resolver)

[![node version](https://img.shields.io/node/v/jest-pnp-resolver.svg)](https://www.npmjs.com/package/jest-pnp-resolver)

\*This plugin is also available for Rollup ([rollup-plugin-pnp-resolve](https://github.com/arcanis/rollup-plugin-pnp-))

resolve)), TypeScript ([ts-pnp](https://github.com/arcanis/ts-pnp)), and Webpack ([pnp-webpack-plugin](https://github.com/arcanis/pnp-webpack-plugin))\*

## ## Installation

...

```
yarn add -D jest-pnp-resolver
```

...

## ## Usage

As of `jest@^24.4.0` you don't need to manually add this package anymore. The default resolver will already use PnP.

Simply add the resolver to your configuration. For example, a minimal `jest.config.js` would be as such:

```
```js
module.exports = {
  resolver: require.resolve('jest-pnp-resolver')
};
```
```

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1073752908\_1595443600.67/0/jest-pnp-resolver-1-2-2-tgz/package/README.md

# 1.475 decamelize-keys 1.1.0

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# 1.476 microsoft-testplatform-objectmodel

## 17.1.0

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 */
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 */
/**
```

\* Enumeration of supported Base64 dialects.  
\* <p>  
\* The internal lookup tables in this class has been derived from  
\* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain  
\* Base64 Encoder/Decoder</a>.  
\*/

Found in path(s):

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/base64/Base64Dialect.java

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/\*\*

\* A decoder that splits the received { @link ByteBuf}s dynamically by the  
\* value of the length field in the message. It is particularly useful when you  
\* decode a binary message which has an integer header field that represents the  
\* length of the message body or the whole message.

\* <p>

\* { @link LengthFieldBasedFrameDecoder} has many configuration parameters so  
\* that it can decode any message with a length field, which is often seen in  
\* proprietary client-server protocols. Here are some example that will give  
\* you the basic idea on which option does what.

\*

\* <h3>2 bytes length field at offset 0, do not strip header</h3>

\*

\* The value of the length field in this example is <tt>12 (0x0C)</tt> which  
\* represents the length of "HELLO, WORLD". By default, the decoder assumes  
\* that the length field represents the number of the bytes that follows the  
\* length field. Therefore, it can be decoded with the simplistic parameter  
\* combination.

\* <pre>

\* <b>lengthFieldOffset</b> = <b>0</b>

\* <b>lengthFieldLength</b> = <b>2</b>

```

* lengthAdjustment = 0
* initialBytesToStrip = 0 (= do not strip header)
*
* BEFORE DECODE (14 bytes)    AFTER DECODE (14 bytes)
* +-----+-----+ +-----+-----+
* | Length | Actual Content |---->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |    | 0x000C | "HELLO, WORLD" |
* +-----+-----+ +-----+-----+
* </pre>

```

\* <h3>2 bytes length field at offset 0, strip header</h3>

\* Because we can get the length of the content by calling  
\* { @link ByteBuf#readableBytes() }, you might want to strip the length  
\* field by specifying <tt>initialBytesToStrip</tt>. In this example, we  
\* specified <tt>2</tt>, that is same with the length of the length field, to  
\* strip the first two bytes.

```

* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)

```

```

* BEFORE DECODE (14 bytes)    AFTER DECODE (12 bytes)
* +-----+-----+ +-----+
* | Length | Actual Content |---->| Actual Content |
* | 0x000C | "HELLO, WORLD" |    | "HELLO, WORLD" |
* +-----+-----+ +-----+
* </pre>

```

\* <h3>2 bytes length field at offset 0, do not strip header, the length field  
\* represents the length of the whole message</h3>

\* In most cases, the length field represents the length of the message body  
\* only, as shown in the previous examples. However, in some protocols, the  
\* length field represents the length of the whole message, including the  
\* message header. In such a case, we specify a non-zero  
\* <tt>lengthAdjustment</tt>. Because the length value in this example message  
\* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>  
\* as <tt>lengthAdjustment</tt> for compensation.

```

* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0

```

```

* BEFORE DECODE (14 bytes)    AFTER DECODE (14 bytes)
* +-----+-----+ +-----+-----+

```

```
* | Length | Actual Content |---->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |   | 0x000E | "HELLO, WORLD" |
* +-----+-----+-----+ +-----+-----+
* </pre>
```

\* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>

\* The following message is a simple variation of the first example. An extra header value is prepended to the message. <tt>lengthAdjustment</tt> is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

```
* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
```

```
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+ +-----+-----+-----+
* | Header 1 | Length | Actual Content |---->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |   | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+ +-----+-----+-----+
* </pre>
```

\* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>

\* This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive <tt>lengthAdjustment</tt> so that the decoder counts the extra header into the frame length calculation.

```
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
```

```
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+ +-----+-----+-----+
* | Length | Header 1 | Actual Content |---->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |   | 0x00000C | 0xCAFE | "HELLO, WORLD" |
* +-----+-----+-----+ +-----+-----+-----+
* </pre>
```

\* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>

\* This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field.

```

* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes)                AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+      +-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |    | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+      +-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>
*
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
*
* BEFORE DECODE (16 bytes)                AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+      +-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |    | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+      +-----+-----+
* </pre>
* @see LengthFieldPrepender
*/

```

Found in path(s):

```

* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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```
*/opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/compression/Crc32c.java
*/opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/xml/XmlFrameDecoder.java
*/opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/compression/JdkZlibDecoder.java
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*/opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
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jar/io/netty/handler/codec/DefaultHeaders.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/Headers.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/EmptyHeaders.java  
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\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/ValueConverter.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/CharSequenceValueConverter.java  
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jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/HeadersUtils.java
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
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\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/CompressionOptions.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/BrotliDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/StandardCompressionOptions.java

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jar/io/netty/handler/codec/compression/Brotli.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/compression/ZstdConstants.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/compression/BrotliOptions.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/compression/BrotliEncoder.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/compression/ZstdOptions.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/compression/DeflateOptions.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/compression/GzipOptions.java  
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jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java  
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jar/io/netty/handler/codec/serialization/ClassResolver.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/compression/DecompressionException.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/DecoderException.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-  
jar/io/netty/handler/codec/compression/ZlibDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/string/StringEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/ReplayingDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/ReferenceMap.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/package-info.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/DecoderResult.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/package-info.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/CodecException.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/package-info.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/ZlibEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/SoftReferenceMap.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/EncoderException.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/JZlibDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/package-info.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/Delimiters.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/xml/package-info.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/ZlibUtil.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java

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\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/ZlibWrapper.java

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\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/MessageToMessageEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/MessageAggregator.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/string/StringDecoder.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/ClassResolvers.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/bytes/package-info.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/string/package-info.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/ByteToMessageCodec.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/base64/package-info.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/CorruptedFrameException.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/LineBasedFrameDecoder.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/JZlibEncoder.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Snappy.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java  
\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java

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Found in path(s):

```
*/opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/compression/EncoderUtil.java
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```
*/opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
```

```
*/opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
```

```
*/opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/DecoderResultProvider.java
```

```
*/opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
```

```
*/opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/compression/Bzip2Decoder.java
```

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/LzfEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/json/package-info.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/MessageAggregationException.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Crc32.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java

\* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java

```
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/compression/FastLz.java
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
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```

```
*/
```

```
/*
```

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```

```
*/
```

```
/**
```

```
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* Base64 notation.
```

```
* <p>
```

```
* The encoding and decoding algorithm in this class has been derived from
* Robert Harder's Public Domain
\* Base64 Encoder/Decoder.
```

```
*/
```

```
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```
* /opt/cola/permits/1648885710_1683611378.4503787/0/netty-codec-4-1-91-final-sources-
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- \* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/string/LineEncoder.java
- \* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/DatagramPacketDecoder.java
- \* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/CodecOutputList.java
- \* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/DateFormatter.java
- \* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/string/LineSeparator.java
- \* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/compression/ByteBufChecksum.java
- \* /opt/cola/permits/1648885710\_1683611378.4503787/0/netty-codec-4-1-91-final-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java

## 1.479 jul-to-slf4j-bridge 1.7.36

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\* /opt/cola/permits/1337069837\_1654208675.2587817/0/jul-to-slf4j-1-7-36-sources-  
jar/org/slf4j/bridge/SLF4JBridgeHandler.java

# 1.480 brave-instrumentation-messaging- adapters 5.13.9

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# 1.482 emittery 0.10.2

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```

Found in path(s):

```
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/internal/path/json/mapping/JsonObjectDeserializer.groovy
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/mapper/factory/DefaultJackson2ObjectMapperFactory.java
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/mapper/factory/DefaultGsonObjectMapperFactory.java
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/internal/path/json/ConfigurableJsonSlurper.groovy
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/internal/path/json/mapping/JsonPathJackson2ObjectDeserializer.groovy
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/path/json/config/JsonPathConfig.java
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/mapper/factory/DefaultJackson1ObjectMapperFactory.java
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/mapper/factory/GsonObjectMapperFactory.java
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/internal/path/json/JsonPrettifier.groovy
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/internal/path/json/JSONAssertion.groovy
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/path/json/config/JsonParserType.java
* /opt/cola/permits/1183892205_1627493824.21/0/json-path-2-6-0-sources-1-
jar/com/jayway/restassured/path/json/exception/JsonPathException.java
```

\* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/path/json/JsonPath.java  
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\* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/mapper/factory/Jackson1ObjectMapperFactory.java  
\* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/internal/path/json/mapping/JsonPathGsonObjectDeserializer.groovy  
\* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/internal/path/json/mapping/JsonPathJackson1ObjectDeserializer.groovy

## 1.484 pkg-dir 4.2.0

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## 1.486 is-generator-fn 2.1.0

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## 1.487 acorn-node 1.8.2

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## 1.488 language-subtag-registry 0.3.22

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IANA's [official repository](http://www.iana.org/assignments/language-subtag-registry/language-subtag-registry) is in [record-jar](http://www.inter-locale.com/ID/draft-phillips-record-jar-01.html) format and is hard to parse. This project provides neatly organized JSON files representing that data.

See `data/` for all the JSON files available. The `registry.json` file contains all records in a flat array and `meta.json` contains its metadata. There's a separate JSON file for each 'scope' (e.g. `macrolanguage.json`) and 'type' (e.g. `language.json`). These files contain JSON objects keyed by tag or subtag and with the index integer for the corresponding entry in `registry.json` as a value. This makes lookups fast.

### ## Updates ##

This project will be updated as the registry changes. Non-breaking updates will result in the patch version number being bumped.

Run `make update` to force an update from the latest official IANA-hosted version. The registry file format is converted to JSON automatically and the files in `data/` are updated.

If there are changes, please make a pull request.

### ## Usage ##

See [language-tags](https://github.com/mattcg/language-tags) for a Javascript API.

### ## Credits and collaboration ##

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```
* /opt/cola/permits/1363151039_1657775419.5957577/0/language-subtag-registry-0-3-22-tgz/package/README.md
```

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## 1.491 feign-okhttp 11.8

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# 1.492 wrappy 1.0.2

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## 1.494 jsonnullable-jackson-module 0.2.2

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## 1.495 cjs-module-lexer 1.2.2

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## 1.496 escape-string-regexp 1.0.5

## 1.497 read-pkg-up 7.0.1

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## 1.498 conventional-commits-parser 3.2.4

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## 1.499 @radix-ui/react-use-callback-ref 0.1.0

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## 1.500 iron-session 6.3.1

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\*

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\* @author Rainer Pruy  
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* /opt/cola/permits/1656810974_1682603681.2057269/0/opencsv-5-7-1-sources-  
jar/com/opencsv/bean/CsvBindByName.java  
* /opt/cola/permits/1656810974_1682603681.2057269/0/opencsv-5-7-1-sources-  
jar/com/opencsv/exceptions/CsvRuntimeException.java  
* /opt/cola/permits/1656810974_1682603681.2057269/0/opencsv-5-7-1-sources-  
jar/com/opencsv/exceptions/CsvMalformedLineException.java  
* /opt/cola/permits/1656810974_1682603681.2057269/0/opencsv-5-7-1-sources-  
jar/com/opencsv/stream/reader/package-info.java  
* /opt/cola/permits/1656810974_1682603681.2057269/0/opencsv-5-7-1-sources-  
jar/com/opencsv/bean/customconverter/ConvertFrenchToBoolean.java  
* /opt/cola/permits/1656810974_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/package-  
info.java  
* /opt/cola/permits/1656810974_1682603681.2057269/0/opencsv-5-7-1-sources-  
jar/com/opencsv/exceptions/CsvConstraintViolationException.java  
* /opt/cola/permits/1656810974_1682603681.2057269/0/opencsv-5-7-1-sources-  
jar/com/opencsv/exceptions/package-info.java  
* /opt/cola/permits/1656810974_1682603681.2057269/0/opencsv-5-7-1-sources-  
jar/com/opencsv/bean/CsvBindByPosition.java  
* /opt/cola/permits/1656810974_1682603681.2057269/0/opencsv-5-7-1-sources-  
jar/com/opencsv/exceptions/CsvBadConverterException.java
```

\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/exceptions/CsvBeanIntrospectionException.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/AbstractBeanField.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/ConverterDate.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvDate.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/StatefulBeanToCsv.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/customconverter/ConvertGermanToBoolean.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvToBeanBuilder.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/StatefulBeanToCsvBuilder.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/ConverterPrimitiveTypes.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/exceptions/CsvDataTypeMismatchException.java  
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\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/util/OpencsvUtils.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/customconverter/package-info.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/exceptions/CsvMultilineLimitBrokenException.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/exceptions/CsvRequiredFieldEmptyException.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/exceptions/CsvException.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/enums/package-info.java  
\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvCustomBindByName.java

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\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/FieldMapByPositionEntry.java

\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/comparator/LiteralComparator.java

\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/AbstractFieldMapEntry.java

\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/HeaderIndex.java

\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/BeanFieldJoinIntegerIndex.java

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\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/BeanFieldJoinStringIndex.java

\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/RegexToBeanField.java

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\* /opt/cola/permits/1656810974\_1682603681.2057269/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/ComplexFieldMapEntry.java  
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jar/com/opencsv/bean/HeaderColumnNameMappingStrategy.java
```

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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Martin Richards

23 February 2007

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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Bit Twiddling Hacks

By Sean Eron Anderson  
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<https://github.com/Microsoft/RoslynClrHeapAllocationAnalyzer>

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This is a port of the SciMark2a Java Benchmark to C# by

Chris Re (cmr28@cornell.edu) and Werner Vogels (vogels@cs.cornell.edu)

For details on the original authors see <http://math.nist.gov/scimark2>

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Content: <https://stackoverflow.com/a/769713>

Question author: Bob The Janitor -- <https://stackoverflow.com/users/55102/bob-the-janitor>

Answer author: harp -- <https://stackoverflow.com/users/4525/harpo>

Use:

<https://github.com/dotnet/coreclr/blob/a9074bce5e3814db67dbec1c56f477202164d162/tests/src/sizeondisk/sodbench/SoDBench.cs#L738>

<Project Sdk="Microsoft.NET.Sdk">

<PropertyGroup>

<OutputType>Exe</OutputType>

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<ApplicationManifest>App.manifest</ApplicationManifest>
</PropertyGroup>
<ItemGroup>
  <Compile Include="Program.cs" />
  <Compile Include="..\..\ServerContracts/Server.CoClasses.cs" />
  <Compile Include="..\..\ServerContracts/Server.Contracts.cs" />
  <Compile Include="..\..\ServerContracts/ServerGuids.cs" />
</ItemGroup>
<ItemGroup>
  <ProjectReference Include="..\..\NativeServer/CMakeLists.txt" />
  <ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
</ItemGroup>
</Project>
```

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<https://www.simple-talk.com/dotnet/.net-framework/the-dangers-of-the-large-object-heap/>

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Bouncy Castle library (bcprov-\*.jar, bcpkg-\*.jar, bcpkix-\*.jar)

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3.4.10/gradlew.bat
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* /opt/cola/permits/1668653359_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-adapter/src/test/java/reactor/adapter/rxjava/RxJava2AdapterTest.java
* /opt/cola/permits/1668653359_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-adapter/src/main/java/reactor/adapter/rxjava/RxJava2Adapter.java
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```

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#
```

```
#####
```

```
##
```

```
## Gradle start up script for UN*X
```

```

##
#####

# Attempt to set APP_HOME
# Resolve links: $0 may be a link
PRG="$0"
# Need this for relative symlinks.
while [ -h "$PRG" ] ; do
  ls=`ls -ld "$PRG"`
  link=`expr "$ls" : '.*-> \(.*\)${'`
  if expr "$link" : '/.*' > /dev/null; then
    PRG="$link"
  else
    PRG=`dirname "$PRG"`"/$link"
  fi
done
SAVED=""`pwd`"
cd "`dirname \"$PRG\"`/" >/dev/null
APP_HOME=""`pwd -P`"
cd "$SAVED" >/dev/null

APP_NAME="Gradle"
APP_BASE_NAME=`basename "$0"`

# Add default JVM options here. You can also use JAVA_OPTS and GRADLE_OPTS to pass JVM options to this
script.
DEFAULT_JVM_OPTS=""-Xmx64m" "-Xms64m""

# Use the maximum available, or set MAX_FD != -1 to use that value.
MAX_FD="maximum"

warn () {
  echo "$*"
}

die () {
  echo
  echo "$*"
  echo
  exit 1
}

# OS specific support (must be 'true' or 'false').
cygwin=false
msys=false
darwin=false
nonstop=false
case "`uname`" in

```

```

CYGWIN* )
  cygwin=true
;;
Darwin* )
  darwin=true
;;
MINGW* )
  msys=true
;;
NONSTOP* )
  nonstop=true
;;
esac

```

```

CLASSPATH=$APP_HOME/gradle/wrapper/gradle-wrapper.jar

```

```

# Determine the Java command to use to start the JVM.

```

```

if [ -n "$JAVA_HOME" ] ; then
  if [ -x "$JAVA_HOME/jre/sh/java" ] ; then
    # IBM's JDK on AIX uses strange locations for the executables
    JAVACMD="$JAVA_HOME/jre/sh/java"
  else
    JAVACMD="$JAVA_HOME/bin/java"
  fi
  if [ ! -x "$JAVACMD" ] ; then
    die "ERROR: JAVA_HOME is set to an invalid directory: $JAVA_HOME

```

```

Please set the JAVA_HOME variable in your environment to match the
location of your Java installation."

```

```

  fi
else
  JAVACMD="java"
  which java >/dev/null 2>&1 || die "ERROR: JAVA_HOME is not set and no 'java' command could be found in
your PATH.

```

```

Please set the JAVA_HOME variable in your environment to match the
location of your Java installation."

```

```

fi

```

```

# Increase the maximum file descriptors if we can.

```

```

if [ "$cygwin" = "false" -a "$darwin" = "false" -a "$nonstop" = "false" ] ; then
  MAX_FD_LIMIT=`ulimit -H -n`
  if [ $? -eq 0 ] ; then
    if [ "$MAX_FD" = "maximum" -o "$MAX_FD" = "max" ] ; then
      MAX_FD="$MAX_FD_LIMIT"
    fi
    ulimit -n $MAX_FD
    if [ $? -ne 0 ] ; then

```

```

        warn "Could not set maximum file descriptor limit: $MAX_FD"
    fi
else
    warn "Could not query maximum file descriptor limit: $MAX_FD_LIMIT"
fi
fi

# For Darwin, add options to specify how the application appears in the dock
if $darwin; then
    GRADLE_OPTS="$GRADLE_OPTS \-Xdock:name=$APP_NAME" \-
    Xdock:icon=$APP_HOME/media/gradle.icns\''
fi

# For Cygwin or MSYS, switch paths to Windows format before running java
if [ "$cygwin" = "true" -o "$msys" = "true" ]; then
    APP_HOME=`cygpath --path --mixed "$APP_HOME"`
    CLASSPATH=`cygpath --path --mixed "$CLASSPATH"`
    JAVACMD=`cygpath --unix "$JAVACMD"`

    # We build the pattern for arguments to be converted via cygpath
    ROOTDIRSRAW=`find -L / -maxdepth 1 -mindepth 1 -type d 2>/dev/null`
    SEP=""
    for dir in $ROOTDIRSRAW ; do
        ROOTDIRS="$ROOTDIRS$SEP$dir"
        SEP="|"
    done
    OURCYGPATTERN="(^($ROOTDIRS))"
    # Add a user-defined pattern to the cygpath arguments
    if [ "$GRADLE_CYGPATTERN" != "" ]; then
        OURCYGPATTERN="$OURCYGPATTERN|($GRADLE_CYGPATTERN)"
    fi
    # Now convert the arguments - kludge to limit ourselves to /bin/sh
    i=0
    for arg in "$@" ; do
        CHECK=`echo "$arg"|egrep -c "$OURCYGPATTERN" -`
        CHECK2=`echo "$arg"|egrep -c "^-"`           ### Determine if an option

        if [ $CHECK -ne 0 ] && [ $CHECK2 -eq 0 ]; then       ### Added a condition
            eval `echo args$i`=`cygpath --path --ignore --mixed "$arg"`
        else
            eval `echo args$i`="\`$arg\`"
        fi
        i=$((i+1))
    done
    case $i in
        (0) set -- ;;
        (1) set -- "$args0" ;;
        (2) set -- "$args0" "$args1" ;;
    esac

```

```

(3) set -- "$args0" "$args1" "$args2" ;;
(4) set -- "$args0" "$args1" "$args2" "$args3" ;;
(5) set -- "$args0" "$args1" "$args2" "$args3" "$args4" ;;
(6) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" ;;
(7) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" "$args6" ;;
(8) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" "$args6" "$args7" ;;
(9) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" "$args6" "$args7" "$args8" ;;
esac
fi

# Escape application args
save () {
  for i do printf %s\n "$i" | sed "s/'/\\'/g;1s/^/';\$s\\$' \\'" ; done
  echo " "
}
APP_ARGS=$(save "$@")

# Collect all arguments for the java command, following the shell quoting and substitution rules
eval set -- $DEFAULT_JVM_OPTS $JAVA_OPTS $GRADLE_OPTS "\-
Dorg.gradle.appname=$APP_BASE_NAME\'' -classpath "\$CLASSPATH\''
org.gradle.wrapper.GradleWrapperMain "$APP_ARGS"

# by default we should be in the correct project dir, but when run from Finder on Mac, the cwd is wrong
if [ "$(uname)" = "Darwin" ] && [ "$HOME" = "$PWD" ]; then
  cd "$(dirname "$0")"
fi

exec "$JAVACMD" "$@"

```

Found in path(s):

```

* /opt/cola/permits/1668653359_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/gradlew
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- \* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/math/MonoSumInt.java
- \* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/math/MonoSumBigInteger.java
- \* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/function/Consumer8.java
- \* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/retry/BackoffDelay.java
- \* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/scheduler/forkjoin/ForkJoinPoolScheduler.java
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- \* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/function/Function8.java
- \* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/function/Predicate3.java
- \* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/function/Predicate7.java
- \* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/math/MonoSumFloat.java
- \* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/function/Function3.java

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extra/src/main/java/reactor/retry/RetryContext.java  
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\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/swing/SwingAdapterTest.java

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\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/extra/processor/BurstyWorkQueueProcessorTests.java

\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/extra/processor/WorkQueueProcessorTest.java

\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/extra/processor/CombinationTests.java

\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/gradle/releaser.gradle

\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/extra/processor/AbstractProcessorVerification.java

\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/swing/SwtAdapterTest.java  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/extra/processor/WorkQueueProcessorVerification.java  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/extra/processor/WaitStrategy.java  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/extra/processor/TopicProcessorVerification.java  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/extra/processor/ConsistentProcessorTests.java  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/build.gradle  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-adapter/src/test/java/reactor/adapter/akka/ActorAdapterTest.java  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-adapter/src/main/java/reactor/adapter/akka/ActorScheduler.java  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/swing/SwtScheduler.java  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/main/java/reactor/extra/processor/TopicProcessor.java  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/extra/processor/FluxWithProcessorVerification.java  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/gradle/javadoc.gradle  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/extra/processor/TopicProcessorTest.java  
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\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-adapter/src/main/java/reactor/adapter/rxjava/RxJava3Scheduler.java

\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-

adapter/src/main/java/reactor/adapter/rxjava/RxJava3Adapter.java  
\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-adapter/src/test/java/reactor/adapter/rxjava/RxJava3AdapterTest.java  
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\* /opt/cola/permits/1668653359\_1684402762.6206884/0/reactor-addons-3-4-10-tar/reactor-addons-3.4.10/reactor-extra/src/test/java/reactor/retry/AbstractRetryTest.java

# 1.560 function.prototype.name 1.1.5

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# 1.561 eslint-import-resolver-node 0.3.6

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# 1.562 types-babel-generator 7.6.4

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## 1.563 @next/swc-linux-x64-gnu 12.3.1

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/opt/cola/permits/1668697243\_1683630562.8718958/0/swc-linux-x64-gnu-12-3-1-1-tgz/package/next-swc.linux-x64-gnu.node: binary file matches

Found in path(s):

\* /bin/grep

## 1.564 @jridgewell/resolve-uri 3.1.0

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\* /opt/cola/permits/1340816205\_1654861315.2555492/0/brave-propagation-aws-0-21-3-sources-  
jar/brave/propagation/aws/HexCodec.java

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\* /opt/cola/permits/1340816205\_1654861315.2555492/0/brave-propagation-aws-0-21-3-sources-  
jar/brave/propagation/aws/AWSPropagation.java

\* /opt/cola/permits/1340816205\_1654861315.2555492/0/brave-propagation-aws-0-21-3-sources-  
jar/brave/propagation/aws/AWSExtractor.java

\* /opt/cola/permits/1340816205\_1654861315.2555492/0/brave-propagation-aws-0-21-3-sources-  
jar/brave/propagation/aws/AWSInjector.java

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\* /opt/cola/permits/1340816205\_1654861315.2555492/0/brave-propagation-aws-0-21-3-sources-jar/META-INF/maven/io.zipkin.aws/brave-propagation-aws/pom.xml

## 1.566 postcss-load-config 3.1.4

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# 1.567 jest-changed-files 28.1.3

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# 1.568 microsoft-build 17.1.0

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```
-----
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:sila="http://www.sila-standard.org"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.sila-standard.org
https://gitlab.com/SiLA2/sila_base/raw/master/schema/FeatureDefinition.xsd">
  <xsl:output method="text" encoding="UTF-8" indent="no"/>

  <xsl:template match="/sila:Feature">
    <xsl:call-template name="detect-errors"/>
  </xsl:template>

  <xsl:template name="detect-errors">
    <xsl:call-template name="detect-list-of-list"/>
    <xsl:call-template name="detect-unknown-identifiers"/>
    <xsl:call-template name="detect-invalid-constraint-base-type"/>
    <xsl:call-template name="detect-invalid-constraint"/>
    <xsl:call-template name="detect-duplicate-definitions"/>
    <xsl:call-template name="detect-cyclic-references"/>
    <xsl:call-template name="detect-invalid-sila2-version"/>
    <xsl:call-template name="detect-invalid-constraint-values"/>
    <xsl:call-template name="detect-intermediate-response-in-unobservable-command"/>
  </xsl:template>

  <xsl:template name="detect-list-of-list">
    <xsl:for-each select="//sila:List">
      <xsl:if test="./sila:DataType/sila:List">
        <xsl:message terminate="yes">Nested lists are not allowed</xsl:message>
      </xsl:if>
    </xsl:for-each>
  </xsl:template>

  <xsl:template name="detect-unknown-identifiers">
    <xsl:for-each select="//sila:DefinedExecutionErrors/sila:Identifier">
      <xsl:if test="not(//sila:DefinedExecutionError/sila:Identifier/text() = ./text())">
        <xsl:message terminate="yes">DefinedExecutionError '<xsl:value-of select="text()"/>' is not
defined</xsl:message>
      </xsl:if>
    </xsl:for-each>
    <xsl:for-each select="//sila:DataTypeIdentifier">
      <xsl:if test="not(//sila:DataTypeDefinition/sila:Identifier/text() = ./text())">
        <xsl:message terminate="yes">Data type identifier '<xsl:value-of select="text()"/>' is not
defined</xsl:message>
      </xsl:if>
    </xsl:for-each>
  </xsl:template>

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    </xsl:for-each>
</xsl:template>

<xsl:template name="detect-invalid-constraint-base-type">
  <xsl:for-each select="//sila:Constrained">
    <xsl:choose>
      <xsl:when test="sila:DataType/sila:Structure">
        <xsl:message terminate="yes">Constrained structures are not allowed</xsl:message>
      </xsl:when>
      <xsl:when test="sila:DataType/sila:Constrained">
        <xsl:message terminate="yes">Constrained constrained types are not allowed</xsl:message>
      </xsl:when>
      <xsl:when test="sila:DataType/sila:DataTypeIdentifier">
        <xsl:message terminate="yes">Constrained data type identifiers are not allowed</xsl:message>
      </xsl:when>
      <xsl:when test="sila:DataType/sila:Basic/text() = 'Boolean'">
        <xsl:message terminate="yes">Constrained booleans are not allowed</xsl:message>
      </xsl:when>
    </xsl:choose>
  </xsl:for-each>
</xsl:template>

<xsl:template name="detect-invalid-constraint">
  <xsl:for-each select="//sila:Constrained">
    <xsl:choose>
      <xsl:when test="sila:DataType/sila:Basic/text() = 'String'">
        <xsl:for-each select="sila:Constraints/*">
          <xsl:if test="not(
            local-name() = 'Length'
            or local-name() = 'MinimalLength'
            or local-name() = 'MaximalLength'
            or local-name() = 'Pattern'
            or local-name() = 'ContentType'
            or local-name() = 'FullyQualifiedIdentifier'
            or local-name() = 'Schema'
            or local-name() = 'Set'
          )">
            <xsl:message terminate="yes">Invalid constraint on type String: '<xsl:value-of select="local-
name()"/>'</xsl:message>
          </xsl:if>
        </xsl:for-each>
      </xsl:when>
      <xsl:when test="sila:DataType/sila:Basic/text() = 'Integer'">
        <xsl:for-each select="sila:Constraints/*">
          <xsl:if test="not(
            local-name() = 'Set'
            or local-name() = 'MaximalInclusive'
            or local-name() = 'MaximalExclusive'
          )">

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        or local-name() = 'MinimalInclusive'
        or local-name() = 'MinimalExclusive'
        or local-name() = 'Unit'
    )">
    <xsl:message terminate="yes">Invalid constraint on type Integer: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Real'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'Set'
      or local-name() = 'MaximalInclusive'
      or local-name() = 'MaximalExclusive'
      or local-name() = 'MinimalInclusive'
      or local-name() = 'MinimalExclusive'
      or local-name() = 'Unit'
    )">
    <xsl:message terminate="yes">Invalid constraint on type Real: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Binary'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'Length'
      or local-name() = 'MinimalLength'
      or local-name() = 'MaximalLength'
      or local-name() = 'ContentType'
      or local-name() = 'Schema'
    )">
    <xsl:message terminate="yes">Invalid constraint on type Binary: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Date'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'Set'
      or local-name() = 'MaximalInclusive'
      or local-name() = 'MaximalExclusive'
      or local-name() = 'MinimalInclusive'
      or local-name() = 'MinimalExclusive'
    )">
    <xsl:message terminate="yes">Invalid constraint on type Date: '<xsl:value-of select="local-

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name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Time'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'Set'
      or local-name() = 'MaximalInclusive'
      or local-name() = 'MaximalExclusive'
      or local-name() = 'MinimalInclusive'
      or local-name() = 'MinimalExclusive'
    )">
      <xsl:message terminate="yes">Invalid constraint on type Time: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Timestamp'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'Set'
      or local-name() = 'MaximalInclusive'
      or local-name() = 'MaximalExclusive'
      or local-name() = 'MinimalInclusive'
      or local-name() = 'MinimalExclusive'
    )">
      <xsl:message terminate="yes">Invalid constraint on type Timestamp: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Any'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'AllowedTypes'
    )">
      <xsl:message terminate="yes">Invalid constraint on type Any: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:List">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'ElementCount'
      or local-name() = 'MinimalElementCount'
      or local-name() = 'MaximalElementCount'
    )">

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    )">
    <xsl:message terminate="yes">Invalid constraint on type List: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
    </xsl:for-each>
    </xsl:when>
    </xsl:choose>
  </xsl:for-each>
</xsl:template>

<xsl:template name="detect-duplicate-definitions">
  <xsl:for-each select="//sila:DefinedExecutionError/sila:Identifier">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:DefinedExecutionError/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Execution error '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:DataTypeDefinition/sila:Identifier/text()">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:DataTypeDefinition/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Data type '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:Command/sila:Identifier/text()">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:Command/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Command '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:Property/sila:Identifier/text()">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:Property/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Property '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:Metadata/sila:Identifier/text()">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:Metadata/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Metadata '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:Command">
    <xsl:variable name="current-command" select="."/>

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<xsl:for-each select="sila:Parameter/sila:Identifier/text()">
  <xsl:variable name="current-id" select="."/>
  <xsl:if test="count($current-command/sila:Parameter/sila:Identifier[text() = $current-id]) > 1">
    <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': parameter '<xsl:value-of select="."/>' is defined multiple times</xsl:message>
  </xsl:if>
</xsl:for-each>
<xsl:for-each select="sila:IntermediateResponse/sila:Identifier/text()">
  <xsl:variable name="current-id" select="."/>
  <xsl:if test="count($current-command/sila:IntermediateResponse/sila:Identifier[text() = $current-id]) >
1">
    <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': intermediate response '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
  </xsl:if>
</xsl:for-each>
<xsl:for-each select="sila:Response/sila:Identifier/text()">
  <xsl:variable name="current-id" select="."/>
  <xsl:if test="count($current-command/sila:Response/sila:Identifier[text() = $current-id]) > 1">
    <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': response '<xsl:value-of select="."/>' is defined multiple times</xsl:message>
  </xsl:if>
</xsl:for-each>
<xsl:for-each select="sila:DefinedExecutionErrors/sila:Identifier/text()">
  <xsl:variable name="current-id" select="."/>
  <xsl:if test="count($current-command/sila:DefinedExecutionErrors/sila:Identifier[text() = $current-id]) >
1">
    <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': execution error '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
  </xsl:if>
</xsl:for-each>
</xsl:for-each>
</xsl:template>

<xsl:template name="detect-cyclic-references">
  <xsl:for-each select="//sila:DataTypeDefinition">
    <xsl:variable name="outer-def" select="."/>
    <xsl:variable name="outer-id" select="sila:Identifier/text()"/>
    <xsl:for-each select="//sila:DataTypeDefinition">
      <xsl:variable name="inner-def" select="."/>
      <xsl:variable name="inner-id" select="sila:Identifier/text()"/>
      <xsl:if test="($inner-id != $outer-id) and $inner-def/descendant::sila:DataTypeIdentifier[text() = $outer-id]
and $outer-def/descendant::sila:DataTypeIdentifier[text() = $inner-id]">
        <xsl:message terminate="yes">Cyclic reference in data type definitions '<xsl:value-of select="$outer-
id"/>' and '<xsl:value-of select="$inner-id"/>'</xsl:message>
      </xsl:if>
    </xsl:for-each>
  </xsl:for-each>

```

```

    </xsl:for-each>
</xsl:template>

<xsl:template name="detect-invalid-sila2-version">
  <xsl:variable name="sila2-version" select="@SiLA2Version"/>
  <xsl:if test="not ($sila2-version = '1.0' or $sila2-version = '1.1')">
    <xsl:message terminate="yes">Invalid SiLA2 version: '<xsl:value-of select="$sila2-
version"/>'</xsl:message>
  </xsl:if>
</xsl:template>

<xsl:template name="detect-invalid-constraint-values">
  <xsl:for-each select="//sila:Set/sila:Value | //sila:MaximalExclusive | //sila:MaximalInclusive |
//sila:MinimalExclusive | //sila:MinimalInclusive">
    <xsl:variable name="type" select="ancestor::sila:Constrained/sila:DataType/sila:Basic/text()"/>
    <!-- Integer -->
    <xsl:if test="$type = 'Integer' and local-name() = 'Value'">
      <xsl:call-template name="validate-integer">
        <xsl:with-param name="value" select="text()"/>
      </xsl:call-template>
    </xsl:if>
    <!-- Real -->
    <xsl:if test="$type = 'Real' or ($type = 'Integer' and substring(local-name(), 1, 1) = 'M')">
      <xsl:call-template name="validate-real">
        <xsl:with-param name="value" select="text()"/>
      </xsl:call-template>
    </xsl:if>
    <!-- Date -->
    <xsl:if test="$type = 'Date'">
      <xsl:call-template name="validate-date">
        <xsl:with-param name="date" select="substring(text(), 1, 10)"/>
      </xsl:call-template>
      <xsl:call-template name="validate-timezone">
        <xsl:with-param name="timezone" select="substring(text(), 11)"/>
      </xsl:call-template>
    </xsl:if>
    <!-- Time -->
    <xsl:if test="$type = 'Time'">
      <xsl:call-template name="validate-time">
        <xsl:with-param name="time" select="substring(text(), 1, 8)"/>
      </xsl:call-template>
      <xsl:call-template name="validate-timezone">
        <xsl:with-param name="timezone" select="substring(text(), 9)"/>
      </xsl:call-template>
    </xsl:if>
    <!-- Timestamp -->
    <xsl:if test="$type = 'Timestamp'">
      <xsl:call-template name="validate-date">

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    <xsl:with-param name="date" select="substring(text(), 1, 10)"/>
  </xsl:call-template>
  <xsl:if test="substring(text(), 11, 1) != 'T'">
    <xsl:message terminate="yes">Invalid Timestamp: 11th character must be 'T'</xsl:message>
  </xsl:if>
  <xsl:call-template name="validate-time">
    <xsl:with-param name="time" select="substring(text(), 12, 8)"/>
  </xsl:call-template>
  <xsl:call-template name="validate-timezone">
    <xsl:with-param name="timezone" select="substring(text(), 20)"/>
  </xsl:call-template>
</xsl:if>
</xsl:for-each>
<xsl:for-each select="//sila:AllowedTypes//sila:DataTypeIdentifier">
  <xsl:message terminate="yes">DataTypeIdentifier is not allowed in AllowedTypes</xsl:message>
</xsl:for-each>
</xsl:template>

<xsl:template name="validate-integer">
  <xsl:param name="value"/>

  <xsl:if test="not(string-length($value) > 0 and concat(translate(substring($value, 1, 1), '+-0123456789', ''),
translate(substring($value, 2), '0123456789', '')) = "")">
    <xsl:message terminate="yes">Not an integer value: '<xsl:value-of select="$value"/>'</xsl:message>
  </xsl:if>
</xsl:template>

<xsl:template name="validate-real">
  <xsl:param name="value"/>

  <xsl:choose>
    <xsl:when test="$value = 'INF' or $value = '-INF' or $value = '+INF' or $value = 'NaN'">
    <xsl:when test="contains($value, 'e') or contains($value, 'E')">
      <xsl:variable name="lowercase-value" select="translate($value, 'E', 'e')"/>
      <xsl:call-template name="validate-float">
        <xsl:with-param name="value" select="substring-before($lowercase-value, 'e')"/>
      </xsl:call-template>
      <xsl:call-template name="validate-integer">
        <xsl:with-param name="value" select="substring-after($lowercase-value, 'e')"/>
      </xsl:call-template>
    </xsl:when>
    <xsl:otherwise>
      <xsl:call-template name="validate-float">
        <xsl:with-param name="value" select="$value"/>
      </xsl:call-template>
    </xsl:otherwise>
  </xsl:choose>

```

```

</xsl:template>

<xsl:template name="validate-float">
  <xsl:param name="value"/>

  <!-- first character is in '+-.0123456789' and rest is in '.0123456789' -->
  <xsl:if test="translate(substring($value, 1, 1), '+-.0123456789', '') != '' or translate(substring($value, 2),
'0123456789', '') != """>
    <xsl:message terminate="yes">Not a decimal value: '<xsl:value-of select="$value"/>'</xsl:message>
  </xsl:if>
  <!-- only '0123456789' is allowed after the first '.' -->
  <xsl:if test="contains($value, '.') and translate(substring-after($value, '.'), '0123456789', '') != """>
    <xsl:message terminate="yes">Not a decimal value: '<xsl:value-of select="$value"/>'</xsl:message>
  </xsl:if>
</xsl:template>

<xsl:template name="validate-timezone">
  <xsl:param name="timezone"/>
  <!-- Z -->
  <xsl:if test="$timezone != 'Z'">
    <!-- 6 chars -->
    <xsl:if test="string-length($timezone) != 6">
      <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <!-- char 1 is + or - -->
    <xsl:if test="not(contains('+-', substring($timezone, 1, 1)))">
      <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <!-- chars 2, 3, 5 and 6 are numbers - -->
    <xsl:if test="not(translate(concat(substring($timezone, 2, 2), substring($timezone, 5, 2)), '0123456789', '') =
'')">
      <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <!-- char 4 is : -->
    <xsl:if test="not(substring($timezone, 4, 1) = ':')">
      <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <xsl:variable name="hour" select="number(substring($timezone, 2, 2))"/>
    <xsl:variable name="minute" select="number(substring($timezone, 5, 2))"/>
    <xsl:if test="0 > $minute or $minute > 59 or 0 > $hour">
      <xsl:message terminate="yes">Invalid Timezone format: Minute must be in range 00-59, was '<xsl:value-
of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <xsl:if test="$minute + $hour * 60 > 840">

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        <xsl:message terminate="yes">Invalid Timezone format: Must be in range -14:00 to +14:00, was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
</xsl:if>
</xsl:template>

<xsl:template name="validate-date">
    <xsl:param name="date"/>
    <xsl:if test="string-length($date) != 10">
        <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD', was '<xsl:value-of
select="$date"/>'</xsl:message>
    </xsl:if>
    <xsl:if test="translate(concat(substring($date, 1, 4), substring($date, 6, 2), substring($date, 9, 2)), '0123456789',
') != """>
        <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD', was '<xsl:value-of
select="$date"/>'</xsl:message>
    </xsl:if>
    <xsl:if test="concat(substring($date, 5, 1), substring($date, 8, 1)) != '--">
        <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD', was '<xsl:value-of
select="$date"/>'</xsl:message>
    </xsl:if>
    <xsl:variable name="year" select="number(substring($date, 1, 4))"/>
    <xsl:variable name="month" select="number(substring($date, 6, 2))"/>
    <xsl:variable name="day" select="number(substring($date, 9, 2))"/>
    <xsl:if test="$month > 12 or $day > 31">
        <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (month or day out of range),
was '<xsl:value-of select="$date"/>'</xsl:message>
    </xsl:if>
    <xsl:if test="($month = 4 or $month = 6 or $month = 9 or $month = 11) and $day > 30">
        <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
    </xsl:if>
    <xsl:if test="$month = 2">
        <xsl:if test="$day > 29">
            <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
        </xsl:if>
        <xsl:if test="$year mod 4 != 0 and $day > 28">
            <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
        </xsl:if>
        <xsl:if test="$year mod 100 = 0 and $year mod 400 != 0 and $day > 28">
            <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
        </xsl:if>
    </xsl:if>
</xsl:template>

```

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<xsl:template name="validate-time">
  <xsl:param name="time"/>
  <xsl:if test="string-length($time) != 8">
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS', was '<xsl:value-of
select="$time"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="translate(concat(substring($time, 1, 2), substring($time, 4, 2), substring($time, 7, 2)),
'0123456789', '') != """>
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS', was '<xsl:value-of
select="$time"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="concat(substring($time, 3, 1), substring($time, 6, 1)) != ':'">
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS', was '<xsl:value-of
select="$time"/>'</xsl:message>
  </xsl:if>
  <xsl:variable name="hour" select="number(substring($time, 1, 2))"/>
  <xsl:variable name="minute" select="number(substring($time, 4, 2))"/>
  <xsl:variable name="second" select="number(substring($time, 7, 2))"/>
  <xsl:if test="$hour > 23 or $minute > 59 or $second > 59">
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS' (hour, minute or seconds out of
range), was '<xsl:value-of select="$time"/>'</xsl:message>
  </xsl:if>
</xsl:template>

<xsl:template name="detect-intermediate-response-in-unobservable-command">
  <xsl:for-each select="//sila:Command[sila:Observable/text() = 'No']/sila:IntermediateResponse">
    <xsl:message terminate="yes">Unobservable commands must not have intermediate
responses</xsl:message>
  </xsl:for-each>
</xsl:template>
</xsl:stylesheet>

```

# 1.569 error\_prone\_annotations 2.11.0

## 1.569.1 Available under license :

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Found in path(s):

\* /opt/cola/permits/1319213440\_1651231696.76/0/error-prone-annotations-2-11-0-2-jar/META-INF/maven/com.google.errorprone/error\_prone\_annotations/pom.xml

## 1.570 debug-js/debug 2.6.9

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## 1.571 guava-internalfuturefailureaccess-and-internalfutures 1.0.1

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\* /opt/cola/permits/1130987386\_1612872111.26/0/failureaccess-1-0-1-sources-  
jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java  
\* /opt/cola/permits/1130987386\_1612872111.26/0/failureaccess-1-0-1-sources-  
jar/com/google/common/util/concurrent/internal/InternalFutures.java

## 1.572 eventemitter3 4.0.7

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## 1.573 apache-commons-lang 3.12.0

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## 1.576 springdoc-openapi-ui 1.6.6

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# 1.579 mimic-fn 4.0.0

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## 1.580 eslint-utils 3.0.0

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- \* /opt/cola/permits/1343421013\_1655119268.5908961/0/json-path-2-7-0-sources-1-jar/com/jayway/restassured/internal/path/json/mapping/JsonPathJackson2ObjectDeserializer.groovy
- \* /opt/cola/permits/1343421013\_1655119268.5908961/0/json-path-2-7-0-sources-1-jar/com/jayway/restassured/path/json/config/JsonPathConfig.java
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- \* /opt/cola/permits/1343421013\_1655119268.5908961/0/json-path-2-7-0-sources-1-jar/com/jayway/restassured/mapper/factory/DefaultJackson2ObjectMapperFactory.java
- \* /opt/cola/permits/1343421013\_1655119268.5908961/0/json-path-2-7-0-sources-1-jar/com/jayway/restassured/internal/path/json/mapping/JsonObjectDeserializer.groovy
- \* /opt/cola/permits/1343421013\_1655119268.5908961/0/json-path-2-7-0-sources-1-jar/com/jayway/restassured/mapper/factory/DefaultJackson1ObjectMapperFactory.java
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- \* /opt/cola/permits/1343421013\_1655119268.5908961/0/json-path-2-7-0-sources-1-

# 1.582 jackson-core 2.13.3

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# 1.583 char-regex 1.0.2

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## 1.584 node-error-ex 1.3.2

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## 1.586 @babel/plugin-syntax-import-meta

### 7.10.4

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# 1.587 resolve-from 4.0.0

## 1.588 zjsonpatch 0.4.12

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## 1.589 @radix-ui/react-primitive 0.1.4

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## 1.591 estraverse 5.3.0

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## 1.592 apache-httpcomponents-core 4.4.13

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## 1.595 mariadb-java-client 3.0.5

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Manifest-Version: 1.0

Created-By: 11.0.15 (Private Build)

Build-Jdk-Spec: 11

Export-Package: org.mariadb.jdbc;uses:="javax.sql,javax.transaction.xa,org.mariadb.jdbc.client,org.mariadb.jdbc.client.util,org.mariadb.jdbc.export,org.mariadb.jdbc.plugin";version="3.0.5",org.mariadb.jdbc.client;uses:="org.mariadb.jdbc,org.mariadb.jdbc.export,org.mariadb.jdbc.message,org.mariadb.jdbc.plugin";version="3.0.5",org.mariadb.jdbc.client.util;uses:="org.mariadb.jdbc.client,org.mariadb.jdbc.client.socket";version="3.0.5",org.mariadb.jdbc.client.socket;uses:="org.mariadb.jdbc,org.mariadb.jdbc.client,org.mariadb.jdbc.client.util";version="3.0.5",org.maria

db.jdbc.message;uses="org.mariadb.jdbc,org.mariadb.jdbc.client,org.mariadb.jdbc.client.socket,org.mariadb.jdbc.client.util,org.mariadb.jdbc.export";version="3.0.5",org.mariadb.jdbc.type;uses="org.mariadb.jdbc.client";version="3.0.5",org.mariadb.jdbc.export;uses="org.mariadb.jdbc,org.mariadb.jdbc.client";version="3.0.5",org.mariadb.jdbc.plugin;uses="javax.net.ssl,org.mariadb.jdbc,org.mariadb.jdbc.client,org.mariadb.jdbc.client.socket,org.mariadb.jdbc.export";version="3.0.5",org.mariadb.jdbc.plugin.codec;uses="org.mariadb.jdbc.client,org.mariadb.jdbc.client.socket,org.mariadb.jdbc.plugin,org.mariadb.jdbc.type";version="3.0.5",org.mariadb.jdbc.plugin.authentication.standard;uses="org.mariadb.jdbc,org.mariadb.jdbc.client,org.mariadb.jdbc.client.socket,org.mariadb.jdbc.plugin";version="3.0.5",org.mariadb.jdbc.plugin.authentication.addon;uses="org.mariadb.jdbc,org.mariadb.jdbc.client,org.mariadb.jdbc.client.socket,org.mariadb.jdbc.plugin";version="3.0.5",org.mariadb.jdbc.plugin.credential.aws;uses="org.mariadb.jdbc,org.mariadb.jdbc.plugin";version="3.0.5",org.mariadb.jdbc.plugin.credential.env;uses="org.mariadb.jdbc,org.mariadb.jdbc.plugin";version="3.0.5",org.mariadb.jdbc.plugin.credential.system;uses="org.mariadb.jdbc,org.mariadb.jdbc.plugin";version="3.0.5",org.mariadb.jdbc.plugin.tls.main;uses="javax.net.ssl,org.mariadb.jdbc,org.mariadb.jdbc.export,org.mariadb.jdbc.plugin";version="3.0.5"  
Import-Package: javax.naming,javax.naming.ldap,javax.management,javax.sql,org.slf4j;resolution:=optional;version="[2.0,3)",javax.net;resolution:=optional,javax.net.ssl;resolution:=optional,com.sun.jna;resolution:=optional;version="[5.10,6)",com.sun.jna.platform.win32;resolution:=optional;version="[5.10,6)",javax.transaction.xa;resolution:=optional,waffle.windows.auth;resolution:=optional,waffle.windows.auth.impl;resolution:=optional,org.ietf.jgss;resolution:=optional,javax.security.auth.login;resolution:=optional,javax.security.auth.x500;resolution:=optional,software.amazon.awssdk.auth.credentials;resolution:=optional,software.amazon.awssdk.regions;resolution:=optional,software.amazon.awssdk.regions.providers;resolution:=optional,software.amazon.awssdk.services.rds;resolution:=optional,software.amazon.awssdk.services.rds.model;resolution:=optional  
Multi-Release: true  
Bnd-LastModified: 1653455996439  
Bundle-Description: JDBC driver for MariaDB and MySQL  
Bundle-Developers: mariadbJdbcDevelopers;name="mariadb jdbc developers"  
Bundle-DocURL: <https://mariadb.com/kb/en/mariadb/about-mariadb-connector-j/>  
Bundle-License: "LGPL-2.1"  
Bundle-ManifestVersion: 2  
Bundle-Name: mariadb-java-client  
Bundle-SCM: url="https://github.com/mariadb-corporation/mariadb-connector-j",connection="scm:git:git://github.com/mariadb-corporation/mariadb-connector-j.git",developer-connection="scm:git:git@github.com:MariaDB/mariadb-connector-j.git",tag=HEAD  
Bundle-SymbolicName: mariadb-java-client  
Bundle-Vendor: mariadb.com

Bundle-Version: 3.0.5  
Private-Package: org.mariadb.jdbc.client.context,org.mariadb.jdbc.client.impl,org.mariadb.jdbc.client.result,org.mariadb.jdbc.client.socket.impl,org.mariadb.jdbc.client.tls,org.mariadb.jdbc.codec,org.mariadb.jdbc.message.client,org.mariadb.jdbc.message.server,org.mariadb.jdbc.message.server.util,org.mariadb.jdbc.plugin.authentication,org.mariadb.jdbc.plugin.authentication.addon.gssapi,org.mariadb.jdbc.plugin.authentication.standard.ed25519,org.mariadb.jdbc.plugin.authentication.standard.ed25519.math,org.mariadb.jdbc.plugin.authentication.standard.ed25519.math.ed25519,org.mariadb.jdbc.plugin.authentication.standard.ed25519.spec,org.mariadb.jdbc.plugin.credential,org.mariadb.jdbc.plugin.tls,org.mariadb.jdbc.pool,org.mariadb.jdbc.util,org.mariadb.jdbc.util.constants,org.mariadb.jdbc.util.log,org.mariadb.jdbc.util.options  
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"  
Tool: Bnd-6.2.0.202202251641

Found in path(s):

\* /opt/cola/permits/1636393611\_1681940524.8263862/0/mariadb-java-client-3-0-5-jar/META-INF/MANIFEST.MF

# 1.596 is-boolean-object 1.1.2

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# 1.597 asm-commons 9.5

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/**
 * Constructs a new { @link GeneratorAdapter}. <i>Subclasses must not use this constructor</i>.
 * Instead, they must use the { @link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.
 *
 * @param methodVisitor the method visitor to which this adapter delegates calls.
 * @param access the method's access flags (see { @link Opcodes}).
 * @param name the method's name.
 * @param descriptor the method's descriptor (see { @link Type}).
 * @throws IllegalStateException if a subclass calls this constructor.
 */
```

Found in path(s):

```
*/opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-
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/**
 * Constructs a new { @link AnnotationRemapper}. <i>Subclasses must not use this constructor</i>.
 * Instead, they must use the { @link #AnnotationRemapper(int,String,AnnotationVisitor,Remapper)}
```

```
* version.  
*  
* @param descriptor the descriptor of the visited annotation. May be { @literal null}.  
* @param annotationVisitor the annotation visitor this remapper must delegate to.  
* @param remapper the remapper to use to remap the types in the visited annotation.  
*/
```

Found in path(s):

```
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/AnnotationRemapper.java
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```
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/RecordComponentRemapper.java  
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/ModuleHashesAttribute.java  
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/ModuleRemapper.java  
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/AnalyzerAdapter.java  
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/InstructionAdapter.java  
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/TableSwitchGenerator.java  
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java  
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/MethodRemapper.java  
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/ModuleResolutionAttribute.java  
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java  
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/JSRInlinerAdapter.java  
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-
```

```
jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-
jar/org/objectweb/asm/commons/SignatureRemapper.java
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-
jar/org/objectweb/asm/commons/AdviceAdapter.java
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-
jar/org/objectweb/asm/commons/Remapper.java
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-
jar/org/objectweb/asm/commons/ModuleTargetAttribute.java
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-
jar/org/objectweb/asm/commons/FieldRemapper.java
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-
jar/org/objectweb/asm/commons/Method.java
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-
jar/org/objectweb/asm/commons/SimpleRemapper.java
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-
jar/org/objectweb/asm/commons/ClassRemapper.java
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/**
 * Constructs a new {@link SerialVersionUIDAdder}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #SerialVersionUIDAdder(int, ClassVisitor)}
 * version.
 *
 * @param classVisitor a {@link ClassVisitor} to which this visitor will delegate calls.
 * @throws IllegalStateException If a subclass calls this constructor.
 */
```

Found in path(s):

```
* /opt/cola/permits/1653957272_1682456880.393002/0/asm-commons-9-5-sources-
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```

<!--

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```

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```

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/**
* Constructs a new {@link LocalVariablesSorter}. Subclasses must not use this constructor.
* Instead, they must use the {@link #LocalVariablesSorter(int, int, String, MethodVisitor)}
* version.
*
* @param access access flags of the adapted method.

```

- \* @param descriptor the method's descriptor (see { @link Type }).
- \* @param methodVisitor the method visitor to which this adapter delegates calls.
- \* @throws IllegalStateException if a subclass calls this constructor.
- \*/

Found in path(s):

\* /opt/cola/permits/1653957272\_1682456880.393002/0/asm-commons-9-5-sources-jar/org/objectweb/asm/commons/LocalVariablesSorter.java

## 1.598 tsconfig-paths 3.14.1

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## 1.612 bs-logger 0.2.6

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## 1.625 @jest/schemas 28.1.3

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## 7.18.6

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## 1.632 yaml 1.10.2

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## 1.633 hosted-git-info v2.8.9

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## 1.634 microsoft/tslib 2.4.1

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## 1.635 @next/swc-linux-x64-musl 12.3.1

### 1.635.1 Available under license :

No license file was found, but licenses were detected in source scan.

/opt/cola/permits/1668697131\_1683630573.2102172/0/swc-linux-x64-musl-12-3-1-1-tgz/package/next-swc.linux-x64-musl.node: binary file matches

Found in path(s):

\* /bin/grep

## 1.636 dotnet-coverage 17.2.1

### 1.636.1 Available under license :

```
---
description: "Learn more about: Copying DataSet Contents"
title: "Copying DataSet Contents"
ms.date: "03/30/2017"
dev_langs:
  - "csharp"
  - "vb"
ms.assetid: cb846617-2b1a-44ff-bd7f-5835f5ea37fa
---
```

# Copying DataSet Contents

You can create a copy of a `<xref:System.Data.DataSet>` so that you can work with data without affecting the original data, or work with a subset of the data from a `**DataSet**`. When copying a `**DataSet**`, you can:

- Create an exact copy of the `**DataSet**`, including the schema, data, row state information, and row versions.
- Create a `**DataSet**` that contains the schema of an existing `**DataSet**`, but only rows that have been modified. You can return all rows that have been modified, or specify a specific `**DataRowState**`. For more information about row states, see [Row States and Row Versions](row-states-and-row-versions.md).
- Copy the schema, or relational structure, of the `**DataSet**` only, without copying any rows. Rows can be imported into an existing `<xref:System.Data.DataTable>` using `<xref:System.Data.DataTable.ImportRow%2A>`.

To create an exact copy of the `**DataSet**` that includes both schema and data, use the `<xref:System.Data.DataSet.Copy%2A>` method of the `**DataSet**`. The following code example shows how to create an exact copy of the `**DataSet**`.

```

``vb
Dim copyDataSet As DataSet = customerDataSet.Copy()

```

```

``csharp
DataSet copyDataSet = customerDataSet.Copy();

```

To create a copy of a **DataSet** that includes schema and only the data representing **Added**, **Modified**, or **Deleted** rows, use the [System.Data.DataSet.GetChanges](#) method of the **DataSet**. You can also use **GetChanges** to return only rows with a specified row state by passing a **DataRowState** value when calling **GetChanges**. The following code example shows how to pass a **DataRowState** when calling **GetChanges**.

```

``vb
' Copy all changes.
Dim changeDataSet As DataSet = customerDataSet.GetChanges()
' Copy only new rows.
Dim addedDataSetAs DataSet = _
    customerDataSet.GetChanges(DataRowState.Added)

```

```

``csharp
// Copy all changes.
DataSet changeDataSet = customerDataSet.GetChanges();
// Copy only new rows.
DataSet addedDataSet= customerDataSet.GetChanges(DataRowState.Added);

```

To create a copy of a **DataSet** that only includes schema, use the [System.Data.DataSet.Clone](#) method of the **DataSet**. You can also add existing rows to the cloned **DataSet** using the **ImportRow** method of the **DataTable**. **ImportRow** adds data, row state, and row version information to the specified table. Column values are added only where the column name matches and the data type is compatible.

The following code example creates a clone of a **DataSet** and then adds the rows from the original **DataSet** to the **Customers** table in the **DataSet** clone for customers where the **CountryRegion** column has the value "Germany".

```

``vb
Dim customerDataSet As New DataSet
    customerDataSet.Tables.Add(New DataTable("Customers"))
    customerDataSet.Tables("Customers").Columns.Add("Name", GetType(String))
    customerDataSet.Tables("Customers").Columns.Add("CountryRegion", GetType(String))
    customerDataSet.Tables("Customers").Rows.Add("Juan", "Spain")
    customerDataSet.Tables("Customers").Rows.Add("Johann", "Germany")
    customerDataSet.Tables("Customers").Rows.Add("John", "UK")

```

```

Dim germanyCustomers As DataSet = customerDataSet.Clone()

```

```

Dim copyRows() As DataRow = _
customerDataSet.Tables("Customers").Select("CountryRegion = 'Germany'")

Dim customerTable As DataTable = germanyCustomers.Tables("Customers")
Dim copyRow As DataRow

For Each copyRow In copyRows
customerTable.ImportRow(copyRow)
Next
...

``csharp
DataSet customerDataSet = new DataSet();
customerDataSet.Tables.Add(new DataTable("Customers"));
customerDataSet.Tables["Customers"].Columns.Add("Name", typeof(string));
customerDataSet.Tables["Customers"].Columns.Add("CountryRegion", typeof(string));
customerDataSet.Tables["Customers"].Rows.Add("Juan", "Spain");
customerDataSet.Tables["Customers"].Rows.Add("Johann", "Germany");
customerDataSet.Tables["Customers"].Rows.Add("John", "UK");

DataSet germanyCustomers = customerDataSet.Clone();

DataRow[] copyRows =
customerDataSet.Tables["Customers"].Select("CountryRegion = 'Germany'");

DataTable customerTable = germanyCustomers.Tables["Customers"];

foreach (DataRow copyRow in copyRows)
customerTable.ImportRow(copyRow);
...

## See also

- <xref:System.Data.DataSet>
- <xref:System.Data.DataTable>
- [DataSets, DataTables, and DataViews](index.md)
- [ADO.NET Overview](../ado-net-overview.md)
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```

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---

description: "Learn more about: CertVerifyAuthenticodeLicense Function"

title: "CertVerifyAuthenticodeLicense Function"

ms.date: "03/30/2017"

api\_name:

- "CertVerifyAuthenticodeLicense"

api\_location:

- "clr.dll"

api\_type:

- "Dllexport"

ms.assetid: 00118de7-33c6-41c4-8e1f-5d5e35e0da83

topic\_type:

- "apiref"

---

# CertVerifyAuthenticodeLicense Function

Verifies the validity of an Authenticode XrML license.

## Syntax

```cpp

HRESULT CertVerifyAuthenticodeLicense (

[in] PCRYPT\_DATA\_BLOB pLicenseBlob,

[in] OPTIONAL DWORD dwFlags,

[out] PAXL\_AUTHENTICODE\_SIGNER\_INFO pSignerInfo,

[out] PAXL\_AUTHENTICODE\_TIMESTAMPER\_INFO pTimestampperInfo

);  
...

## ## Parameters

``pLicenseBlob``

[in] The Authenticode XrML license to be verified.

See the [CRYPTOAPI\_BLOB](/windows/win32/api/dpapi/ns-dpapi-crypt\_integer\_blob) structure.

``dwFlags``

[in] Optional. A combination of following values:

- AXL\_REVOCATION\_NO\_CHECK
- AXL\_REVOCATION\_CHECK\_END\_CERT\_ONLY
- AXL\_REVOCATION\_CHECK\_ENTIRE\_CHAIN
- AXL\_URL\_CACHE\_ONLY\_RETRIEVAL
- AXL\_LIFETIME\_SIGNING
- AXL\_TRUST\_MICROSOFT\_ROOT\_ONLY

``pSignerInfo``

[out] To receive the signer's information. If the license wasn't signed, ``dwError`` is set to TRUST\_E\_NOSIGNATURE. It is the caller's responsibility to free resources by using the [CertFreeAuthenticodeSignerInfo](certfreeauthenticodesignerinfo-function.md) function after use.

See [AXL\_AUTHENTICODE\_SIGNER\_INFO Structure](axl-authenticode-signer-info-structure.md).

``pTimestamperInfo``

[out] To receive time stamper's information, if available. If the license was not time-stamped, ``dwError`` is set to TRUST\_E\_NOSIGNATURE. It is the caller's responsibility to free resources by using the [CertFreeAuthenticodeTimestamperInfo](certfreeauthenticodetimestamperinfo-function.md) function after use.

See [AXL\_AUTHENTICODE\_TIMESTAMPER\_INFO Structure](axl-authenticode-timestamper-info-structure.md).

## ## Return Value

Returns ``S_OK`` if successful. Otherwise, returns an error code.

## ## Requirements

\*\*Assembly\*\*:  
clr.dll

## See also

- [Authenticode](index.md)
- [GetHashFromHandle Method](../hosting/iclrstrongname-gethashfromhandle-method.md)
- [ICLRStrongName Interface](../hosting/iclrstrongname-interface.md)

---

description: "Learn more about: CertTimestampAuthenticodeLicense Function"

title: "CertTimestampAuthenticodeLicense Function"

ms.date: "03/30/2017"

api\_name:

- "CertTimestampAuthenticodeLicense"

api\_location:

- "clr.dll"

api\_type:

- "Dllexport"

ms.assetid: d468325a-21c5-43ce-8567-84e342b22308

topic\_type:

- "apiref"

---

# CertTimestampAuthenticodeLicense Function

Time-stamps an Authenticode XrML license.

## Syntax

```
```cpp
HRESULT CertTimestampAuthenticodeLicense (
    [in] PCRYPT_DATA_BLOB  pSignedLicenseBlob,
    [in] LPCWSTR           pwszTimestampURI,
    [out] PCRYPT_DATA_BLOB pTimestampSignatureBlob
);
```
```

## Parameters

``pSignedLicenseBlob``

[in] The signed Authenticode XrML license to be time-stamped. See the [CRYPTOAPI\_BLOB](/windows/win32/api/dpapi/ns-dpapi-crypt\_integer\_blob) structure.

``pwszTimestampURI``

[in] The time-stamp server's URI.

``pTimestampSignatureBlob``

[out] A pointer to CRYPT\_DATA\_BLOB to receive the base64-encoded time-stamp signature. It is the caller's responsibility to free ``pTimestampSignatureBlob`->`pbData`` with `HepFree()` after use. See the [CRYPTOAPI\_BLOB](/windows/win32/api/dpapi/ns-dpapi-crypt\_integer\_blob) structure.

## Remarks

The time-stamp signature is actually a PKCS #7 SignedData message whose content is the binary form of the SignatureValue from the license's signature. Basically, this acts as a counter-signature of the license.

## Return Value

`S\_OK` if the function succeeds. Otherwise, returns an error code.

## Requirements

\*\*Assembly\*\*\*: clr.dll

## See also

- [Authenticode](index.md)

---

title: "Assembly Binding Redirection Security Permission"

description: Learn about the security permission required for explicit assembly binding redirection in an application configuration file in .NET.

ms.date: "03/30/2017"

helpviewer\_keywords:

- "side-by-side execution, assembly binding redirection"
- "assemblies [.NET Framework], binding redirection"

ms.assetid: 24a5cdf-7ed9-4195-93f3-edf6899019fc

---

# Assembly Binding Redirection Security Permission

Explicit assembly binding redirection in an application configuration file requires a security permission. This applies to redirection of .NET Framework assemblies and assemblies from third parties. The permission is granted by setting the `<xref:System.Security.Permissions.SecurityPermissionFlag>` flag on the `<xref:System.Security.Permissions.SecurityPermission>`. Managed assemblies have no permissions by default.

The security permission is granted to applications running in the Trusted Zone (local machine) and Intranet Zone. Applications running in the Internet Zone are strictly prohibited from performing assembly binding redirection.

The permission is not required if assembly redirection is performed in a publisher policy file that is controlled by the component publisher, or in the machine configuration file that is controlled by the administrator. However, the permission is required for an application to explicitly ignore publisher policy using the `<publisherPolicy apply="no"/>` element in the application configuration file.

The following table shows the default security settings for the `**BindingRedirects**` flag.

| Zone                         | BindingRedirects flag setting |
|------------------------------|-------------------------------|
| -----                        | -----                         |
| Trusted Zone (local machine) | **ON**                        |
| Intranet Zone                | **ON**                        |
| Internet Zone                | **OFF**                       |
| Untrusted zones              | **OFF**                       |

An administrator can change these security settings to support or restrict specific scenarios on a given computer. There are no tools for changing the **BindingRedirects** flag setting from the default; an administrator must manually edit the Security.config file on a user's computer.

## See also

- [Publisher Policy Files and Side-by-Side Execution](/previous-versions/dotnet/netframework-4.0/06d2bae3(v=vs.100))
- [How to: Enable and Disable Automatic Binding Redirection](how-to-enable-and-disable-automatic-binding-redirection.md)
- [Side-by-Side Execution](../deployment/side-by-side-execution.md)

---

description: "Learn more about: BC32053: Copying the value of 'ByRef' parameter '<parametername>' back to the matching argument narrows from type '<typename1>' to type '<typename2>'"

title: "Copying the value of 'ByRef' parameter '<parametername>' back to the matching argument narrows from type '<typename1>' to type '<typename2>'"

ms.date: 07/20/2015

f1\_keywords:

- "bc32053"
- "vbc32053"

helpviewer\_keywords:

- "BC32053"

ms.assetid: 281564b7-99f7-451f-b10d-f985e831bb25

---

# BC32053: Copying the value of 'ByRef' parameter '<parametername>' back to the matching argument narrows from type '<typename1>' to type '<typename2>'

A procedure is called with an argument that widens to the corresponding parameter type, and the conversion from the parameter to the argument is narrowing.

When you define a class or structure, you can define one or more conversion operators to convert that class or structure type to other types. You can also define reverse conversion operators to convert those other types back to your class or structure type. When you use your class or structure type in a procedure call, Visual Basic can use these conversion operators to convert the type of an argument to the type of its corresponding parameter.

If you pass the argument [ByRef](../modifiers/byref.md), Visual Basic sometimes copies the argument value into a local variable in the procedure instead of passing a reference. In such a case, when the procedure returns, Visual Basic must then copy the local variable value back into the argument in the calling code.

If a `ByRef` argument value is copied into the procedure and the argument and parameter are of the same type, no conversion is necessary. But if the types are different, Visual Basic must convert in both directions. If one of the types is your class or structure type, Visual Basic must convert it both to and from the other type. If one of these conversions is widening, the reverse conversion might be narrowing.

**Error ID:** BC32053

## To correct this error

- If possible, use a calling argument of the same type as the procedure parameter, so Visual Basic does not need to do any conversion.
- If you need to call the procedure with an argument type different from the parameter type but do not need to return a value into the calling argument, define the parameter to be [ByVal](../modifiers/byval.md) instead of `ByRef`.
- If you need to return a value into the calling argument, define the reverse conversion operator as [Widening](../modifiers/widening.md), if possible.

## See also

- [Procedures](../programming-guide/language-features/procedures/index.md)
- [Procedure Parameters and Arguments](../programming-guide/language-features/procedures/procedure-parameters-and-arguments.md)
- [Passing Arguments by Value and by Reference](../programming-guide/language-features/procedures/passing-arguments-by-value-and-by-reference.md)
- [Operator Procedures](../programming-guide/language-features/procedures/operator-procedures.md)
- [Operator Statement](../statements/operator-statement.md)
- [How to: Define an Operator](../programming-guide/language-features/procedures/how-to-define-an-operator.md)
- [How to: Define a Conversion Operator](../programming-guide/language-features/procedures/how-to-define-a-conversion-operator.md)
- [Type Conversions in Visual Basic](../programming-guide/language-features/data-types/type-conversions.md)
- [Widening and Narrowing Conversions](../programming-guide/language-features/data-types/widening-and-narrowing-conversions.md)

---

description: "Learn more about: Copying Document Fragments"

title: "Copying Document Fragments"

ms.date: "03/30/2017"

ms.assetid: cf424bbe-81b7-40d2-9978-9b727da94d80

---

# Copying Document Fragments

You can create an `XmlDocumentFragment` node and then add nodes under it. When the `XmlDocumentFragment` is inserted with the `InsertNode` method, the `XmlDocumentFragment` node is not copied, but its child nodes are inserted in the XML Document Object Model (DOM).

## See also

- [XML Document Object Model (DOM)](xml-document-object-model-dom.md)

---

title: Copyright Information for POS for .NET v1.14.1 (Microsoft Point of Service for .NET)

description: Copyright Information for POS for .NET v1.14.1 (Microsoft Point of Service for .NET) (POS for .NET v1.14 SDK Documentation)

ms.date: 04/21/2017

ms.topic: how-to

ms.custom: "pos-restored-from-archive,UpdateFrequency5"

---

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---

title: "Lc.exe (License Compiler)"

description: Use Lc.exe, the License Compiler. This tool reads text files that have licensing information and makes a binary file to embed in a CLR executable as a resource.

ms.date: "03/30/2017"

helpviewer\_keywords:

- "Lc.exe"
- ".licx file"
- "License Compiler"
- "control licenses [Windows Forms]"
- "compiling licenses file"
- "license file"
- ".licenses file"
- "Windows Forms, control licenses"
- "licensed controls [Windows Forms]"

ms.assetid: 2de803b8-495e-4982-b209-19a72aba0460

---

# Lc.exe (License Compiler)

The License Compiler reads text files that contain licensing information and produces a binary file that can be embedded in a common language runtime executable as a resource.

A .licx text file is automatically generated or updated by the Windows Forms Designer whenever a licensed control is added to the form. As part of compilation, the project system will transform the .licx text file into a .licenses binary resource that provides support for .NET control licensing. The binary resource will then be embedded in the project output.

Cross compilation between 32-bit and 64-bit is not supported when you use the License Compiler when building your project. This is because the License Compiler has to load assemblies, and loading 64-bit assemblies from a 32-bit application is not allowed, and vice versa. In this case, use the License Compiler from the command line to compile the license manually, and specify the corresponding architecture.

This tool is automatically installed with Visual Studio. To run the tool, use [Visual Studio Developer Command

Prompt or Visual Studio Developer PowerShell](/visualstudio/ide/reference/command-prompt-powershell).

At the command prompt, type the following:

## ## Syntax

```
```console
```

```
    lc /target:  
targetPE /complist:filename [-outdir:path]  
/i:modules [/nologo] [/v]  
```
```

|Option|Description|

|-----|-----|

|\*\*/complist:\*\* \*filename\*|Specifies the name of a file that contains the list of licensed components to include in the .licenses file. Each component is referenced using its full name with only one component per line.<br /><br /> Command-line users can specify a separate file for each form in the project. Lc.exe accepts multiple input files and produces a single .licenses file.|

|\*\*/h\*\*[\*\*elp\*\*]|Displays command syntax and options for the tool.|

|\*\*/i:\*\* \*module\*|Specifies the modules that contain the components listed in the \*\*/complist\*\* file. To specify more than one module, use multiple \*\*/i\*\* flags.|

|\*\*/nologo\*\*|Suppresses the Microsoft startup banner display.|

|\*\*/outdir:\*\* \*path\*|Specifies the directory in which to place the output .licenses file.|

|\*\*/target:\*\* \*targetPE\*|Specifies the executable for which the .licenses file is being generated.|

|\*\*/v\*\*|Specifies verbose mode; displays compilation progress information.|

|\*\*@\*\* \*file\*|Specifies the response (.rsp) file.|

|\*\*/?\*\*|Displays command syntax and options for the tool.|

## ## Example

1. If you are using a licensed control `MyCompany.Samples.LicControl1` contained in `Samples.DLL` in an application called `HostApp.exe`, you can create `HostAppLic.txt` that contains the following.

```
```text  
MyCompany.Samples.LicControl1, Samples.DLL  
```
```

2. Create the .licenses file called `HostApp.exe.licenses` using the following command.

```
```console  
lc /target:HostApp.exe /complist:hostapplic.txt /i:Samples.DLL /outdir:c:\bindir  
```
```

3. Build `HostApp.exe` including the .licenses file as a resource. If you were building a C# application you would use the following command to build your application.

```
```console  
csc /res:HostApp.exe.licenses /out:HostApp.exe *.cs  
```
```

...

The following command compiles `myApp.licenses` from the lists of licensed components specified by `hostapplic.txt`, `hostapplic2.txt` and `hostapplic3.txt`. The `modulesList` argument specifies the modules that contain the licensed components.

```
```console
```

```
lc /target:myApp /complist:hostapplic.txt /complist:hostapplic2.txt /complist: hostapplic3.txt /i:modulesList
```

```
```
```

### ## Response File Example

The following listing shows an example of a response file, `response.rsp`. For more information on response files, see [Response Files](/visualstudio/msbuild/msbuild-response-files).

```
```text
```

```
/target:hostapp.exe  
/complist:hostapplic.txt  
/i:WFCPrj.dll  
/outdir:"C:\My Folder"
```

```
```
```

The following command line uses the `response.rsp` file.

```
```console
```

```
lc @response.rsp
```

```
```
```

### ## See also

- [Tools](index.md)
- [Al.exe (Assembly Linker)](al-exe-assembly-linker.md)
- [Developer command-line shells](/visualstudio/ide/reference/command-prompt-powershell)

```
---
```

description: "Learn more about: <permission> (Visual Basic)"

title: "<permission>"

ms.date: 07/20/2015

helpviewer\_keywords:

- "<permission> XML tag"
- "permission XML tag"

ms.assetid: 0edf0500-5cd7-49c0-9255-64c48f972b77

```
---
```

# \<permission> (Visual Basic)

Specifies a required permission for the member.

### ## Syntax

```
```xml
<permission cref="member">description</permission>
```
```

## ## Parameters

``member``

A reference to a member or field that is available to be called from the current compilation environment. The compiler checks that the given code element exists and translates ``member`` to the canonical element name in the output XML. Enclose ``member`` in quotation marks (" ").

``description``

A description of the access to the member.

## ## Remarks

Use the `<permission>` tag to document the access of a member. Use the `<xref:System.Security.PermissionSet>` class to specify access to a member.

Compile with `[-doc](../../reference/command-line-compiler/doc.md)` to process documentation comments to a file.

## ## Example

This example uses the `<permission>` tag to describe that the `<xref:System.Security.Permissions.FileIOPermission>` is required by the `ReadFile`` method.

```
[!code-
vb[VbVbcnXmlDocComments#7](~/samples/snippets/visualbasic/VB_Snippets_VBCSharp/VbVbcnXmlDocComm
ents/VB/Class1.vb#7)]
```

## ## See also

- [XML Comment Tags](index.md)

---

title: "Copying and Pinning"

description: Review how the interop marshaller can copy or pin data that's being marshalled. Copying data places a copy of data from one memory location into another location.

ms.date: 05/12/2022

helpviewer\_keywords:

- "pinning, interop marshalling"
- "copying, interop marshalling"
- "interop marshalling, copying"
- "interop marshalling, pinning"

ms.assetid: 0059f576-e460-4e70-b257-668870e420b8

---

# Copying and Pinning

When marshalling data, the interop marshaller can copy or pin the data being marshalled. Copying the data places a

copy of data from one memory location in another memory location. The following illustration shows the differences between copying a value type and copying a type passed by reference from managed to unmanaged memory.

![Diagram that shows how value and reference types are copied.](./media/copying-and-pinning/interop-marshall-copy.gif)

Method arguments passed by value are marshalled to unmanaged code as values on the stack. The copying process is direct. Arguments passed by reference are passed as pointers on the stack. Reference types are also passed by value and by reference. As the following illustration shows, reference types passed by value are either copied or pinned:

![Diagram showing reference types passed by value and by reference.](./media/copying-and-pinning/interop-marshall-reference-pin.gif)

Pinning temporarily locks the data in its current memory location, thus keeping it from being relocated by the common language runtime's garbage collector. The marshaller pins data to reduce the overhead of copying and enhance performance. The type of the data determines whether it is copied or pinned during the marshalling process. Pinning is automatically performed during marshalling for objects such as `<xref:System.String>`, however you can also manually pin memory using the `<xref:System.Runtime.InteropServices.GCHandle>` class.

### ## Formatted Blittable Classes

Formatted [blittable](blittable-and-non-blittable-types.md) classes have fixed layout (formatted) and common data representation in both managed and unmanaged memory. When these types require marshalling, a pointer to the object in the heap is passed to the callee directly. The callee can change the contents of the memory location being referenced by the pointer.

> [!NOTE]

> The callee can change the memory contents if the parameter is marked Out or In/Out. In contrast, the callee should avoid changing the contents when the parameter is set to marshal as In, which is the default for formatted blittable types. Modifying an In object generates problems when the same class is exported to a type library and used to make cross-apartment calls.

### ## Formatted Non-Blittable Classes

Formatted [non-blittable](blittable-and-non-blittable-types.md) classes have fixed layout (formatted) but the data representation is different in managed and unmanaged memory. The data can require transformation under the following conditions:

- If a non-blittable class is marshalled by value, the callee receives a pointer to a copy of the data structure.
- If a non-blittable class is marshalled by reference, the callee receives a pointer to a pointer to a copy of the data structure.
- If the `<xref:System.Runtime.InteropServices.InAttribute>` attribute is set, this copy is always initialized with the instance's state, marshalling as necessary.

- If the `<xref:System.Runtime.InteropServices.OutAttribute>` attribute is set, the state is always copied back to the instance on return, marshalling as necessary.

- If both `**InAttribute**` and `**OutAttribute**` are set, both copies are required. If either attribute is omitted, the marshaller can optimize by eliminating either copy.

## ## Reference Types

Reference types can be passed by value or by reference. When they are passed by value, a pointer to the type is passed on the stack. When passed by reference, a pointer to a pointer to the type is passed on the stack.

Reference types have the following conditional behavior:

- If a reference type is passed by value and it has members of non-blittable types, the types are converted twice:

- When an argument is passed to the unmanaged side.

- On return from the call.

To avoid unnecessarily copying and conversion, these types are marshalled as In parameters. You must explicitly apply the `**InAttribute**` and `**OutAttribute**` attributes to an argument for the caller to see changes made by the callee.

- If a reference type is passed by value and it has only members of blittable types, it can be pinned during marshalling and any changes made to the members of the type by the callee are seen by the caller. Apply `**InAttribute**` and `**OutAttribute**` explicitly if you want this behavior. Without these directional attributes, the interop marshaller does not export directional information to the type library (it exports as In, which is the default) and this can cause problems with COM cross-apartment marshalling.

- If a reference type is passed by reference, it will be marshalled as In/Out by default.

## ## System.String and System.Text.StringBuilder

When data is marshalled to unmanaged code by value or by reference, the marshaller typically copies the data to a secondary buffer (possibly converting character sets during the copy) and passes a reference to the buffer to the callee. Unless the reference is a `**BSTR**` allocated with `**SysAllocString**`, the reference is always allocated with `**CoTaskMemAlloc**`.

As an optimization when either `<xref:System.String>` or `<xref:System.Text.StringBuilder>` is marshalled by value (such as a Unicode character string), the marshaller passes the callee a direct pointer to managed strings in the internal Unicode buffer instead of copying it to a new buffer.

> [!CAUTION]

> When a string is passed by value, the callee must never alter the reference passed by the marshaller. Doing so can corrupt the managed heap.

When a `<xref:System.String?displayProperty=nameWithType>` is passed by reference, the marshaller copies the contents of the string to a secondary buffer before making the call. It then copies the contents of the buffer into a

new string on return from the call. This technique ensures that the immutable managed string remains unaltered.

When a `<xref:System.Text.StringBuilder?displayProperty=nameWithType>` is passed by value, the marshaller passes a reference to a temporary copy of the internal buffer of the `**StringBuilder**` to the caller. The caller and callee must agree on the size of the buffer. The caller is responsible for creating a `**StringBuilder**` of adequate length. The callee must take the necessary precautions to ensure that the buffer is not overrun. `**StringBuilder**` is an exception to the rule that reference types passed by value are passed as ``In`` parameters by default. ``StringBuilder`` is always passed as ``In`/`Out``.

## See also

- [Default Marshalling Behavior](default-marshalling-behavior.md)
- [Directional Attributes](/previous-versions/dotnet/netframework-4.0/77e6taeh(v=vs.100))
- [Interop Marshaling](interop-marshalling.md)

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---  
description: "Learn more about: BC41999: Implicit conversion from '<typename1>' to '<typename2>' in copying the value of 'ByRef' parameter '<parametername>' back to the matching argument."

title: "Implicit conversion from '<typename1>' to '<typename2>' in copying the value of 'ByRef' parameter '<parametername>' back to the matching argument."

ms.date: 07/20/2015

f1\_keywords:

- "vbc41999"

- "bc41999"

helpviewer\_keywords:

- "BC41999"

ms.assetid: ae48c738-dff8-4c0f-8931-bbb70b2c8b03

---  
# BC41999: Implicit conversion from '<typename1>' to '<typename2>' in copying the value of 'ByRef' parameter '<parametername>' back to the matching argument.

A procedure is called with a [ByRef](../modifiers/byref.md) argument of a different type than that of its corresponding parameter.

If you pass an argument `ByRef`, Visual Basic sometimes copies the argument value into a local variable in the procedure instead of passing a reference. In such a case, when the procedure returns, Visual Basic must then copy the local variable value back into the argument in the calling code.

If a `ByRef` argument value is copied into the procedure and the argument and parameter are of the same type, no conversion is necessary. But if the types are different, Visual Basic must convert in both directions. Because you cannot use `CType` or any of the other conversion keywords on a procedure argument or parameter, such a conversion is always implicit.

By default, this message is a warning. For information on hiding warnings or treating warnings as errors, see [\[Configuring Warnings in Visual Basic\]\(/visualstudio/ide/configuring-warnings-in-visual-basic\)](#).

**Error ID:** BC41999

**##** To correct this error

- If possible, use a calling argument of the same type as the procedure parameter, so Visual Basic does not need to do any conversion.
- If you need to call the procedure with an argument type different from the parameter type but do not need to return a value into the calling argument, define the parameter to be `[ByVal](../modifiers/byval.md)` instead of `ByRef`.

**##** See also

- [\[Procedures\]\(../programming-guide/language-features/procedures/index.md\)](#)
- [\[Procedure Parameters and Arguments\]\(../programming-guide/language-features/procedures/procedure-parameters-and-arguments.md\)](#)
- [\[Passing Arguments by Value and by Reference\]\(../programming-guide/language-features/procedures/passing-arguments-by-value-and-by-reference.md\)](#)
- [\[Implicit and Explicit Conversions\]\(../programming-guide/language-features/data-types/implicit-and-explicit-conversions.md\)](#)

---

description: "Learn more about: Copying Existing Nodes from One Document to Another"

title: "Copying Existing Nodes from One Document to Another"

ms.date: "03/30/2017"

ms.assetid: 3caa78c1-3448-4b7b-b83c-228ee857635e

---

**#** Copying Existing Nodes from One Document to Another

The `ImportNode` method is the mechanism by which a node or entire node subtree is copied from one `XmlDocument` to another. The node returned from the call is a copy of the node from the source document, including attribute values, the node name, node type, and all namespace-related attributes such as the prefix, local name, and namespace Uniform Resource Identifier (URI). The source document is not changed. After you have imported the node, you still have to add it to the tree using one of the methods used to insert nodes.

When the node is attached to its new document, the new document owns the node. The reason is that each node, when created, has an owning document, even if the nodes are created in separate document fragments. This is a requirement of the XML Document Object Model (DOM) and is enforced by the factory creation design on the `XmlDocument` class. For example, `CreateElement`, is the only way to create new nodes.

Depending on the node type of the imported node and the value of the `deep` parameter, additional information is copied as appropriate. This method attempts to mirror the behavior expected if a fragment of XML or HTML source

was copied from one document to another, accounting for the fact that for XML, the two documents may have different document type definitions (DTDs).

The following table describes the specific behavior for each type of node that can be imported.

| [Node Type]                | *deep* parameter is true                                                                                                                                                                                                                                                                        | *deep* parameter is false                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [XmlAttribute]             | The <xref:System.Xml.XmlAttribute.Specified%2A> is set to <b>true</b> on the XmlAttribute. The descendants of the source <b>XmlAttribute</b> are recursively imported and the resulting nodes reassembled to form the corresponding subtree.                                                    | The <b>*deep*</b> parameter does not apply to <b>XmlAttribute</b> nodes, because they always carry their child nodes with them when imported.                                                                                                                                                                                             |
| [XmlCDATASection]          | Copies the node, including its data.                                                                                                                                                                                                                                                            | Copies the node, including its data.                                                                                                                                                                                                                                                                                                      |
| [XmlComment]               | Copies the node, including its data.                                                                                                                                                                                                                                                            | Copies the node, including its data.                                                                                                                                                                                                                                                                                                      |
| [XmlDocumentFragment]      | The descendants of the source node are recursively imported and the resulting nodes reassembled to form the corresponding subtree.                                                                                                                                                              | An empty <b>XmlDocumentFragment</b> is created.                                                                                                                                                                                                                                                                                           |
| [XmlDocumentType]          | Copies the node, including its data.*                                                                                                                                                                                                                                                           | Copies the node, including its data.*                                                                                                                                                                                                                                                                                                     |
| [XmlElement]               | The descendants of the source element are recursively imported and the resulting nodes reassembled to form the corresponding subtree. <b>Note:</b> Default attributes are not copied. If the document being imported into defines default attributes for this element name, those are assigned. | Specified attribute nodes of the source element are imported, and the generated <b>XmlAttribute</b> nodes are attached to the new element. The descendant nodes are not copied. <b>Note:</b> Default attributes are not copied. If the document being imported into defines default attributes for this element name, those are assigned. |
| [XmlEntityReference]       | Because the source and destination documents could have the entities defined differently, this method only copies the <b>XmlEntityReference</b> node. The replacement text is not included. If the destination document has the entity defined, its value is assigned.                          | Because the source and destination documents could have the entities defined differently, this method only copies the <b>XmlEntityReference</b> node. The replacement text is not included. If the destination document has the entity defined, its value is assigned.                                                                    |
| [XmlProcessingInstruction] | Copies the target and data value from the imported node.                                                                                                                                                                                                                                        | Copies the target and data value from the imported node.                                                                                                                                                                                                                                                                                  |
| [XmlText]                  | Copies the node, including its data.                                                                                                                                                                                                                                                            | Copies the node, including its data.                                                                                                                                                                                                                                                                                                      |
| [XmlSignificantWhitespace] | Copies the node, including its data.                                                                                                                                                                                                                                                            | Copies the node, including its data.                                                                                                                                                                                                                                                                                                      |
| [XmlWhitespace]            | Copies the node, including its data.                                                                                                                                                                                                                                                            | Copies the node, including its data.                                                                                                                                                                                                                                                                                                      |
| [XmlDeclaration]           | Copies the target and data value from the imported node.                                                                                                                                                                                                                                        | Copies the target and data value from the imported node.                                                                                                                                                                                                                                                                                  |
| [All other node types]     | These node types cannot be imported.                                                                                                                                                                                                                                                            | These node types cannot be imported.                                                                                                                                                                                                                                                                                                      |

> [!NOTE]

> Although DocumentType nodes can be imported, a document can only have one DocumentType. So, once you have imported the document type, before inserting it into tree you have to make sure that there is no document type in the document. For information on removing nodes, see [Removing Nodes, Content, and Values from an XML Document](removing-nodes-content-and-values-from-an-xml-document.md).

## See also

- [XML Document Object Model (DOM)](xml-document-object-model-dom.md)

---

description: "Learn more about: Permission denied (Visual Basic)"

title: "Permission denied"

```
ms.date: 07/20/2015
fl_keywords:
- "vbrID70"
ms.assetid: 71f46756-f522-4814-aab4-492bf9924245
---
# Permission denied (Visual Basic)
```

An attempt was made to write to a write-protected disk or to access a locked file.

## To correct this error

1. To open a write-protected file, change the write-protection attribute of the file.
2. Make sure that another process has not locked the file, and wait to open the file until the other process releases it.
3. To access the registry, check that your user permissions include this type of registry access.

## See also

- [Error Types](../../programming-guide/language-features/error-types.md)  
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# 1.637 spring-boot-actuator-autoconfigure

## 2.7.11

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By: Rebecca Turner

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### ci-info@v3.3.0

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By: Thomas Watson Steen

Repository: <<https://github.com/watson/ci-info.git>>

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### clone@v1.0.4

License: MIT

By: Paul Vorbach

Repository: <git://github.com/pvorb/node-clone.git>

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By: Heather Arthur

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By: DY

Repository: <git@github.com:dfcreative/color-name.git>

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### comondir@v1.0.1

License: MIT

By: James Halliday

Repository: <<http://github.com/substack/node-commondir.git>>

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### cosmiconfig@v7.0.1

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By: David Clark

Repository: <git+https://github.com/davidtheclark/cosmiconfig.git>

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### cross-spawn@v7.0.3

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By: Andr Cruz

Repository: <git@github.com:moxystudio/node-cross-spawn.git>

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By: Josh Junon

Repository: <git://github.com/debug-js/debug.git>

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Repository: <git://github.com/tmpvar/defaults.git>

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### dir-glob@v3.0.1

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Repository: <git+https://github.com/josephfrazier/editorconfig-to-prettier.git>

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Repository: <https://github.com/mathiasbynens/emoji-regex.git>

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Repository: <<https://github.com/justmoon/node-extend.git>>

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Repository: <git://github.com/thlorenz/find-parent-dir.git>

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Repository: <<https://github.com/facebook/flow.git>>

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By: Isaac Z. Schlueter  
Repository: <[git+https://github.com/isaacs/fs.realpath.git](https://github.com/isaacs/fs.realpath.git)>

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By: Isaac Z. Schlueter

Repository: <<https://github.com/npm/inflight.git>>

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By: Qix

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By: Feross Aboukhadijeh

Repository: <[git://github.com/feross/is-buffer.git](https://github.com/feross/is-buffer.git)>

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By: Jordan Harband

Repository: <git+https://github.com/inspect-js/is-core-module.git>

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By: Brian Donovan

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Repository: <<https://github.com/jbgutierrez/path-parse.git>>

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By: James Halliday

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Repository: <git+https://github.com/mcollina/reusify.git>

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### run-parallel@v1.2.0

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Repository: <git://github.com/feross/run-parallel.git>

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### semver@v7.3.7

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By: James Halliday

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### sigmund@v1.0.1

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### trim@v0.0.1

By: TJ Holowaychuk

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### trim-trailing-lines@v1.1.4

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Repository: <git://github.com/mikolalysenko/uniq.git>

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By: Tim Oxley

Repository: <git+<https://github.com/timoxley/wewidth.git>>

> wewidth.js: JavaScript Porting of Markus Kuhn's wewidth() Implementation

> =====

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> This package is a JavaScript porting of `wewidth()` implementation

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## 1.644 @popperjs/core 2.11.6

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## 1.647 functions-have-names 1.2.3

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8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

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To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "{}" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

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# 1.653 integration-common 26.0.4

## 1.653.1 Available under license :

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DEPENDING ON WHICH COUNTRY YOU TRANSACT BUSINESS WITH SYNOPSIS FROM, OTHER

VERSIONS OF THIS EULM MAY BE APPLICABLE. For products used or services provided in a country in the Americas, ISRAEL or Africa OR FOR UNITED STATES DOLLAR TRANSACTIONS IN RUSSIA, the most current version identified for Americas Africa israel shall apply. For products used or services provided in Taiwan, the most current version identified for Taiwan shall apply. For products used or services provided in Japan, the most current version identified for Japan shall apply. FOR PRODUCTS USED OR SERVICES PROVIDED IN THE REPUBLIC OF KOREA, THE MOST CURRENT VERSION IDENTIFIED FOR KOREA SHALL APPLY. for products used or services provided in china in renminbi, the most current version identified as china shall apply. For products used or services provided in any country other than those identified above, the most current version identified for Global SIL shall apply. PLEASE REFER TO SECTION 8.14 BELOW FOR MORE INFORMATION.

IF YOU DO NOT ACCEPT THESE TERMS AND CONDITIONS AND YOU DO NOT HAVE A SEPARATE LICENSE AGREEMENT AS REFERENCED ABOVE, YOU MAY NOT USE OR COPY THE LICENSED PRODUCT AND YOU MUST DELETE ANY COPIES OF IT FROM YOUR SYSTEMS.

Terms and Conditions

1. SCOPE AND KEY TERMS. The Licensed Product is the proprietary information of Synopsys or its suppliers who retain exclusive title to their intellectual property rights in the Licensed Product. Customers rights to the Licensed Product are limited to those expressly granted below and Synopsys reserves all rights not expressly granted in this Agreement.

1.1 Purchasing Agreements. The terms and conditions set forth in this End User Software License and Maintenance Agreement and the Purchasing Agreement(s) accepted by both Customer and Synopsys contain all terms and conditions applicable to Customers use of the Licensed Product (collectively, the Agreement). A Purchasing Agreement is a document that references this Agreement and identifies the specific Licensed Product and rights being licensed hereunder, including the applicable License Type, quantity, license term, Territory, Code Base, Team Name or other license constraint, and the fees and payment terms for the Licensed Product licenses (the License Transaction). An Affiliate of Customer may purchase licenses to the Licensed Product by executing a Purchasing Agreement referencing this Agreement provided that this Agreement governs all such licenses and such Affiliate complies with all Customer obligations referenced in this Agreement and the Purchasing Agreement. Customer agrees that it shall be responsible for the acts and omissions of its Affiliates with respect to any Licensed Product licensed under an applicable Purchasing Agreement. Customer must refer to a copy of the applicable Purchasing Agreement to determine these conditions of the Agreement. If Customer does not receive any other document executed by Synopsys referencing the License Transaction, a Synopsys invoice referencing this Agreement, issued in response to a correct Customer purchase order, shall be Synopsys acceptance of the License Transaction. Additionally, the license term and/or maintenance and support term for the specific Licensed Product identified in a Purchasing Agreement may be renewed by issuance of a Synopsys invoice referencing this Agreement and the applicable Purchasing Agreement in response to a correct Customer purchase order for such renewal. Customer agrees that Customer purchases under this Agreement and any Purchasing Agreement incorporated herein by reference are neither contingent on the delivery of any future functionality or features nor dependent on any oral or written public comments made by Synopsys regarding future functionality or features.

1.2 Affiliate of a party to this Agreement means another person or entity that, directly or indirectly, controls, is controlled by or is under common control with such party. For the purposes of this definition, "control" means owning a beneficial interest (either directly or indirectly) in more than 50% of the outstanding shares or securities or other ownership interest entitled to vote for the election of directors or similar managing authority. An entity shall be deemed to be an Affiliate under this Agreement for only so long as such requisite conditions are maintained.

1.3 Authorized User means a party, and its wholly-owned subsidiaries or Affiliates employees or authorized contractors: (a) whose duties require access to or use of the Licensed Product or Confidential Information for the benefit of that party; and (b) whose legal obligations to protect confidential and proprietary information require

protection of the Licensed Product and Confidential Information to at least the same extent as set out in this Agreement. For clarity, Customer shall not appoint any third party as an Authorized User that licensed all or any portions of the Code Base identified in an applicable Purchasing Agreement to Customer.

1.4 Code Base means those portions of Customers software identified in an applicable Purchasing Agreement by reference to the name of the product, project or package and a number of lines of code, if applicable.

1.5 Documentation means the user documentation, in written, electronic or other format, which describes the Licensed Product and its operation and which Synopsys makes generally available to its licensed customers for use with the Licensed Product.

1.6 License Type means the usage rights purchased under the applicable Purchasing Agreement. License Types offered by Synopsys from time to time can be found at: <https://www.synopsys.com/company/legal/software-integrity/license-types-v2015-2.html>. For clarification, where the License Type listed is 5 User Pack in a Purchasing Agreement, the License Type is a Team License; all Team Licenses are sold in 5 User Packs and the Quantity specified above denotes the total number of 5 User Packs.

1.7 Licensed Product means the specific products provided by Synopsys and listed in a Purchasing Agreement and (a) all related Documentation, and (b) all updates (including Licensed Product Updates), modifications and maintenance services provided to Customer. An overview of the product packages included in the Licensed Product identified in the applicable Purchase Agreement are posted at: <https://www.synopsys.com/company/legal/software-integrity/product-package-overview.html>.

1.8 Licensed Product Updates means features and functionalities of Licensed Products which may be updated from time to time, including but not limited to updated protocols for Defensics; updated checkers for Coverity; updated definitions of, and metadata from open source and vulnerabilities related to Open Source Software for applicable Black Duck labeled products; and updated vulnerability definitions for Seeker.

1.9 Plug-In means additional functionality or features available to an end user through a standalone component used in conjunction with a Licensed Product subject to the terms and conditions set forth in this Agreement.

1.10 Team Name means the named development team that is licensed to use and operate the Licensed Product pursuant to a Team License granted in an applicable Purchasing Agreement.

1.11 Territory means the specific country(ies) or geographical areas identified in the applicable Purchasing Agreement to which the Customers usage of the Licensed Product is limited.

For Black Duck labeled products only:

1.12 Application means the software code associated with a single software build, including multiple versions thereof.

1.13 Code Contributor means the individuals within or contracted by the Customers organization who contribute or work with code for an Application that will be scanned or analyzed by the Licensed Product. The number of Code Contributors includes all developers, engineers, analysts, architects, testers and managers who have written, modified or reviewed code for any scanned or analyzed Application during the License Term, as well as any individuals who interact with the Licensed Product via UI, email/text alerts, API, or third-party integration. Code Contributors do not include, however, those individuals within the Customers organization who perform only software related documentation or project management tasks.

## 2. LICENSE.

2. 1 License Grant and Applicable Fees and Delivery. Subject to Customers compliance with the terms and conditions of this Agreement, Synopsys grants Customer a nonexclusive, non-transferable license, solely during the license term and in the Territory set out in the applicable Purchasing Agreement, to (a) use and operate the Licensed Product to the extent permitted by Customers payment of applicable fees for the License Type purchased, solely for the purpose of developing, analyzing, building or testing the Code Base, Team Name, or other license constraint identified in such Purchasing Agreement, and (b) copy the Licensed Product as reasonably necessary to exercise the license rights granted in subsection (a), including making a reasonable number of copies for backup and archival purposes. All applicable fees are owed upon the effective date of the applicable Purchasing Agreement, are non-

refundable upon such date, and are payable in accordance with the payment schedule set out in the applicable Purchasing Agreement. All past due amounts will incur interest at a rate of 1.5% per month or the maximum rate permitted by law, whichever is less. If Customer does not pay an amount by the scheduled due date, Synopsys will have the right to withhold the delivery of the license keys and / or terminate the applicable Purchase Agreement and accelerate the due date of all remaining payments. In the foregoing event, Customer will owe the entire outstanding balance as soon as Customer receives written notice from Synopsys that payment is overdue. Fees payable are net amounts, without deduction for taxes or duties. Customer will pay taxes and duties (including but not limited to sales, use and withholding taxes) associated with its purchases under this Purchasing Agreement, except for Synopsys net income taxes; taxes and duties are based on where the Licensed Product is electronically delivered and where Services are delivered. Applicable sales tax will be included on invoices for Licensed Products and / or Services. Invoices for Licensed Products and / or Services are issued upon Customer execution of the applicable Purchasing Agreement. Where practical, Synopsys will deliver the Licensed Product electronically and delivery will be deemed to occur upon the Licensed Product being available for electronic download. Delivery of any tangible media will be made F.O.B. point of shipment.

2.2 Conditions. The rights granted to Customer above are conditional upon Customers compliance with the following obligations:

- a. Customer will not copy Synopsys Licensed Products or Documentation, in whole or in part, except as expressly authorized in this Agreement.
- b. Customer will not transfer, assign, lease, lend or rent Synopsys Licensed Products or Documentation, use them to provide service bureau, time-sharing or other services, or otherwise provide or make the functionality thereof available to third parties except as expressly authorized in this Agreement.
- c. Customer will not disassemble, decompile, reverse engineer, modify or create derivative works of Synopsys Licensed Products or Documentation nor permit any third party to do so, except to the extent such restrictions are prohibited by applicable mandatory local law.
- d. Customer will not allow access or use of the Licensed Product by, and will not display the Licensed Products user interfaces to anyone other than the Authorized Users without Synopsys prior express written consent.
- e. Customer will not disclose to any third party any comparison of the results of operation of Synopsys Licensed Products with other products.
- f. Customer will not delete or in any manner alter the copyright, trademark or other proprietary rights notices appearing on the Licensed Product as delivered by Synopsys. Customer will reproduce such notices on all copies Customer is authorized to make of the Licensed Product.
- g. Customers use of the Licensed Product is time-limited to the licensed term set out in the applicable Purchasing Agreement, and such use and access may be monitored and regulated through a license management tool (the License Manager) and a Licensed Product Updates tool. The License Manager will report such data (collectively, Use and Compliance Data) to Synopsys. Customer will not install or use the Licensed Product in a manner that circumvents or interferes with the operation of the License Manager, the Licensed Product Updates tool or any other technological measure that controls access to the Licensed Product. Some configurations may require the License Manager or the Licensed Product Updates tool to be installed only on designated servers. For those configurations, Synopsys will support two changes to the designated servers during any twelve-month period upon prior written notice.

2.3. Offsite Contractors. Customer may allow Authorized Users that are offsite contractors to access and use the Licensed Product solely for Customers benefit in accordance with this Agreement provided that: (a) Customer is responsible for the acts and omissions of its offsite contractors with respect to any Licensed Product licensed under this Agreement; (b) Customer ensures that the Licensed Product is completely and irretrievably uninstalled from any offsite contractors equipment and premises (except for those modules necessary to view results and other data generated from using the Licensed Product) immediately upon completion of the offsite contractors services requiring use of the Licensed Product; and (c) Customer has a written agreement in place with the offsite contractor requiring that the offsite contractor protect Synopsys Licensed Product, Confidential Information and intellectual

property at least to the same extent as set forth in this Agreement. Customer acknowledges that Synopsys has no warranty or other obligations to Customers offsite contractors.

2.4. Licensed Product Updates. Customers with licenses to Licensed Products are granted the right to use, as part of the Licensed Products, such Licensed Product Updates as and when they are made generally available to Synopsys end user customers who have purchased such maintenance/support offering and for such period of time as indicated in the applicable Purchasing Agreement. This Agreement does not otherwise permit Customer to obtain and use Licensed Product Updates.

2.5. Special Terms for Third Party Software. The Licensed Product may contain open source or community source software (Open Source Software) provided under separate license terms (the Open Source License Terms). The applicable Open Source License Terms are identified in a directory named Licenses provided with the delivery of the Licensed Product. Customers use of the Open Source Software in conjunction with the Licensed Product in a manner consistent with the terms of this Agreement is permitted, however, Customer may have broader rights under the applicable Open Source License Terms and nothing in this Agreement is intended to impose further restrictions on Customers use of the Open Source Software. Open Source Software is provided AS-IS, without any warranty of any kind, and Synopsys further disclaims all other warranties, express, implied or statutory, with respect to Open Source Software, including but not limited to the implied warranties of noninfringement, merchantability, and fitness for a particular purpose. Neither Synopsys nor the licensors of Open Source Software shall have any liability for any direct, indirect, incidental, special, exemplary, or consequential damages (including without limitation lost profits), however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use or distribution of the open source software, even if advised of the possibility of such damages. Copyrights to Open Source Software are held by the copyright holders indicated in the copyright notices in the corresponding source files.

2.6. Feedback and Analytics. Customer may choose to, but is not required to, provide suggestions, data, feedback and other information to Synopsys, its subcontractors or authorized distributors regarding possible improvements in the operation, functionality or use of Synopsys Licensed Products (Feedback). Customer hereby grants to Synopsys, its subcontractors and authorized distributors, a non-exclusive, perpetual, irrevocable, royalty-free and fully paid up license to use, copy, display, modify, create derivative works of and distribute any Feedback, and to make, have made, use, lease, sell, offer for sale, import, export or otherwise transfer any Synopsys product offering covered by any intellectual property rights in such Feedback solely for the purpose of (i) improving the operation, functionality or use of its existing and future product offerings and commercializing such offerings; and (ii) publishing aggregated statistics about software quality, provided that no data in any such publication can be used to specifically identify Customer or Customer's software code.

2.7. Keys and Access. Synopsys agrees to provide Customer those authorization keys and/or passwords, which are necessary to permit Customer to gain access to the Licensed Product made available to Customer for the Licensed Product which has been properly licensed to Customer in accordance with this Agreement. Notwithstanding anything to the contrary in this Agreement, Customer hereby acknowledges that Customer shall have no right or license to any software made available to Customer which has not been properly licensed to Customer pursuant to this Agreement or the applicable Purchasing Agreement, or that has been included therein solely as a matter of convenience, and that Customer agrees not to attempt to gain access to, or permit any third party to attempt to gain access to, such software.

2.8. Plug-Ins. For Customers with valid licenses to the Licensed Products, including Seeker, Customer is hereby granted the right to use, in conjunction with the Licensed Products licensed to Customer, Plug-Ins made available for use with the Licensed Products by Synopsys from time to time. No additional Purchasing Agreements are required in connection with the use of such Plug-Ins. Customers right to use such Plug-Ins are provided under the terms of this Agreement, including the license grant set forth in Section 2.1 of this Agreement. Notwithstanding the foregoing, a Plug-In is not Software for purposes of this Agreement. All Plug-Ins are provided AS-IS, without any warranty of any kind. Synopsys AND ITS partners, SUPPLIERS AND distributors disclaim all other warranties, express, implied or statutory, with respect to SUCH PLUG-IN, including but not limited to the implied warranties of

noninfringement, merchantability, and fitness for a particular purpose. SYNOPSISYS AND ITS PARTNERS, SUPPLIERS AND DISTRIBUTORS DISCLAIM ALL LIABILITY UNDER THIS AGREEMENT WITH RESPECT TO ANY PLUG-IN. The indemnification provisions of Section 5 of this Agreement shall not apply to Plug-Ins.

### 3. CONFIDENTIALITY.

3.1. Confidential Information. Confidential Information means: (a) each party's software products, in byte code or source code form; (b) any authorization keys and passwords delivered in order to operate such products; (c) Documentation, product road maps and development plans, and product pricing information; (d) any business, technical or training information of a party that, if disclosed in writing, is marked confidential or proprietary at the time of disclosure, or, if disclosed orally, is identified as confidential or proprietary at the time of disclosure, and is summarized in a writing sent by the disclosing party to the other party within thirty (30) days of such disclosure or, without a marking requirement where the receiving party knows or reasonably should understand the disclosure to be confidential or trade secret information; and (e) Customer specific terms and pricing set forth in any quotation, Purchasing Agreement or this Agreement.

3.2. Exclusions. Confidential Information does not include information that: (a) is or becomes generally known or available to the public through no act or omission of the party receiving Confidential Information (Receiving Party); (b) is rightfully known by the Receiving Party prior to receiving such information from the other party (Disclosing Party) and without restriction as to use or disclosure; (c) is independently developed by the Receiving Party without use of the Disclosing Party's Confidential Information and without breach of this Agreement; or (d) is rightfully received by the Receiving Party from a third party without restriction on use or disclosure. The existence of this Agreement and the nature of the business relationship between the parties are not considered Confidential Information.

3.3. Use and Disclosure Restrictions. Receiving Party will not use the Disclosing Party's Confidential Information except as necessary to exercise the rights granted under this Agreement or to evaluate opportunities to license additional Licensed Products pursuant to this Agreement, and will not disclose such Confidential Information to any person or entity except to its Authorized Users. Without limiting the generality of the foregoing, Customer agrees that it will not post the Licensed Product, the Documentation, or any screenshots of the Licensed Product or results generated by the Licensed Product, on any network that is accessible by anyone other than the Authorized Users. The foregoing obligations will not restrict either party from disclosing Confidential Information of the other party: (a) pursuant to the order or requirement of a court, administrative agency, or other governmental body, provided that the party required to make such a disclosure gives reasonable notice to the other party to contest such order or requirement; and (b) on a confidential basis to its legal or financial advisors that need to know in order to provide business advice to such party. In addition, each party may disclose the terms and conditions of this Agreement: (i) as required under applicable securities regulations; and (ii) on a confidential basis to present or future providers of venture capital and potential private investors in or acquirers of such party.

3.4. Right of Equitable Relief. The parties acknowledge that violations of the covenants and obligations of this Agreement may cause the non-breaching party irreparable injury for which an adequate remedy at law may not be available. Therefore, the non-breaching party shall be entitled to seek all remedies that may be available under equity, including immediate injunctive relief, in addition to whatever remedies may be available at law.

### 4. WARRANTY.

4.1. Limited Licensed Product Warranty. Subject to the remainder of this Section 4, for a period of forty five (45) days from earlier of the date that the Licensed Product is first made available to Customer for download or Customer's first receipt of the Licensed Product pursuant to an Purchasing Agreement, Synopsys represents and warrants that, (a) the media on which the Licensed Product is delivered will be free of defects in material and workmanship, (b) the Licensed Product will substantially conform to the functional specifications set forth in the applicable Documentation, and (c) it has used commercially available virus-detection software to scan the Licensed Product, and it has not knowingly introduced into the Licensed Product any virus, Trojan horse, trap door, or other code that is intended to cause harm to the Code Base or other systems.

4.2. Sole Remedy. If, during the warranty period set forth in Section 4.1, Synopsys receives written notice from Customer of non-conformity of the Licensed Product with the warranty set forth in Section 4.1, Synopsys will, as Customers sole and exclusive remedy and Synopsys entire liability for such non-conformity: (a) deliver a correction or workaround for the non-conformity; or (b) if Synopsys is unable to deliver such a correction or workaround, provide written notice to Customer and, upon Customers return or confirmed destruction of all copies of the non-conforming Licensed Product to Synopsys, refund the license fees paid by Customer for such non-conforming Licensed Product. THE FOREGOING STATES CUSTOMERS SOLE AND EXCLUSIVE REMEDY FOR WARRANTY CLAIMS RELATED TO THE LICENSED PRODUCT.

4.3. Disclaimer. Synopsys does not warrant that the Licensed Product will meet Customers requirements, that the Licensed Product will operate in combinations with equipment, devices, software or systems provided by persons other than Synopsys, that the operation of the Licensed Product will be error-free or uninterrupted, or that the Licensed Product will discover all open source or third-party code, potential license conflicts, errors and vulnerabilities that may reside in the Code Base. EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, SYNOPSIS AND ITS SUPPLIERS DISCLAIM ALL OTHER WARRANTIES, CONDITIONS AND REPRESENTATIONS, EXPRESS, IMPLIED OR STATUTORY, INCLUDING THOSE RELATED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, ACCURACY OR COMPLETENESS OF RESULTS, CONFORMANCE WITH DESCRIPTION, AND NON-INFRINGEMENT. SYNOPSIS AND ITS SUPPLIERS SPECIFICALLY DISCLAIM ALL IMPLIED WARRANTIES, CONDITIONS AND REPRESENTATIONS ARISING OUT OF COURSE OF DEALING, USAGE OR TRADE.

#### 5. INDEMNIFICATION.

5.1. Infringement Indemnity. Synopsys will defend or settle any action brought against Customer by paying all costs, damages and reasonable attorneys fees that are finally awarded against Customer to the extent those amounts are based upon a third party claim that the Licensed Product, as provided by Synopsys to Customer under this Agreement and used in accordance with this Agreement, directly infringes any U.S. patent, or copyright or misappropriates any U.S. trade secret. However, Synopsys obligations under this Section 5 are subject to the following conditions: (a) Customer must promptly notify Synopsys in writing of the action; (b) Customer grants Synopsys sole control of the defense and settlement of the action; and (c) Customer must provide Synopsys, at Synopsys expense, with all assistance, information and authority reasonably requested for the defense and settlement of the action. Synopsys will not be responsible for any compromise made or expense incurred without its consent. If use of any of the Licensed Product is, or in Synopsys reasonable opinion is likely to be, the subject of an action specified in this Section 5.1, Synopsys may, at its sole option and at no additional charge: (i) procure for Customer the right to continue using such Licensed Product; (ii) replace or modify such Licensed Product so that it is non-infringing and substantially equivalent in function to the original Licensed Product; or (iii) if options (i) and (ii) above are not accomplished despite Synopsys reasonable efforts, terminate Customers rights and Synopsys obligations hereunder with respect to such Licensed Product and refund the unamortized portion of the license fees paid for such Licensed Product, based upon a straight-line depreciation over the term of the license commencing as of the date Customer received such Licensed Product.

5.2. Exclusions. Notwithstanding the terms of Section 5.1, Synopsys will have no liability for any infringement or misappropriation action or claim of any kind to the extent that it results from: (a) modifications to the Licensed Product made by a party other than Synopsys, if the infringement or misappropriation would not have occurred but for such modifications; (b) the combination, operation or use of the Licensed Product with equipment, devices, software, systems or data not supplied by Synopsys, if the infringement or misappropriation would not have occurred but for such combination, operation or use; (c) Customers failure to use the updated or modified Licensed Product provided by Synopsys to avoid infringement or misappropriation; (d) Synopsys compliance with any designs or specifications provided by Customer; and/or (e) Customers use of the Licensed Product other than as authorized by this Agreement.

5.3. Sole Remedy. THE PROVISIONS OF THIS SECTION 5 SET FORTH SYNOPSIS SOLE AND

EXCLUSIVE OBLIGATIONS, AND CUSTOMERS SOLE AND EXCLUSIVE REMEDIES, WITH RESPECT TO INFRINGEMENT OR MISAPPROPRIATION OF INTELLECTUAL PROPERTY RIGHTS OF ANY KIND. EXCEPT AS SET FORTH ABOVE, SYNOPSIS AND ITS SUPPLIERS DISCLAIM ALL IMPLIED OBLIGATIONS WITH RESPECT TO INTELLECTUAL PROPERTY INDEMNIFICATION.

#### 6. LIMITATION OF LIABILITY.

6.1. Exclusion of Damages. Notwithstanding anything to the contrary, this Agreement does not limit liability due to death or personal injury caused by gross negligence, or liability due to fraudulent misrepresentations or willful misconduct, or liability arising from breaches of confidentiality obligations or license grants or conditions hereunder. SUBJECT TO THE FOREGOING SENTENCE, IN NO EVENT WILL EITHER PARTY, OR ITS SUPPLIERS, BE LIABLE TO THE OTHER FOR ANY SPECIAL, INCIDENTAL, PUNITIVE, INDIRECT OR CONSEQUENTIAL DAMAGES (INCLUDING LOSS OF USE, DATA, BUSINESS OR PROFITS, REVENUE, GOODWILL, ANTICIPATED SAVINGS) OR FOR the cost of procuring substitute products OR SERVICES ARISING OUT OF THIS AGREEMENT, WHETHER BASED UPON CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), FAILURE OF A REMEDY TO ACCOMPLISH ITS PURPOSE, STRICT LIABILITY OR OTHERWISE, AND EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Customer acknowledges that Synopsys would not be able to provide the Licensed Product without the limitations set forth in this Section 6. Customer may have other rights under applicable mandatory local laws. This Agreement does not change Customers rights under applicable mandatory local laws if such laws do not permit it to do so.

6.2. Cap on Liability. IN NO EVENT WILL SYNOPSIS, ITS AFFILIATES OR ITS SUBSIDIARIES, OR ITS SUPPLIERS AGGREGATE LIABILITY UNDER THIS AGREEMENT, OR RELATING TO ITS SUBJECT MATTER, EXCEED WITH RESPECT TO ANY LICENSED PRODUCT, THE AMOUNT PAID BY CUSTOMER FOR THE LICENSED PRODUCT GIVING RISE TO THE CLAIM, AND WITH RESPECT TO SERVICES, THE AMOUNT PAID BY CUSTOMER FOR THE SERVICES GIVING RISE TO THE CLAIM.

#### 7. EXPIRATION AND TERMINATION.

7.1. Term of Agreement. The term of this Agreement shall begin on the Effective Date of this Agreement and will end when this Agreement is terminated by either party in accordance with this Section 7.

7.2. Term of Purchasing Agreement. Each Purchasing Agreement will have its own term, as indicated by the License Term applicable to the Licensed Product licensed under such Purchasing Agreement.

7.3. Termination for Breach. Either party will have the right to terminate this Agreement or any Purchasing Agreement if the other party breaches any material term of the Agreement or Purchasing Agreement, as the case may be, and if such breach is capable of cure, the breaching party fails to cure such breach within thirty (30) days after receiving written notice thereof. Either party will have the right to terminate this Agreement if the other becomes insolvent or makes an assignment for the benefit of creditors, or a trustee or receiver is appointed for such other party or for a substantial part of its assets, or bankruptcy, reorganization or insolvency proceedings shall be instituted by or against such other party. Termination of this Agreement under this Section 7 terminates all Purchasing Agreements and Licensed Product licenses granted hereunder.

7.4. Effect of Termination or Expiration. Upon termination or expiration of this Agreement or a Purchasing Agreement, all Licensed Product licenses and rights to use Confidential Information that are granted thereunder shall terminate. Upon termination of this Agreement or expiration of the license term in any Purchasing Agreement, Customer will: (a) promptly return to Synopsys or destroy the applicable Licensed Product and Confidential Information and all copies and portions thereof, in all forms and types of media; and (b) promptly pay all fees owing up to the date of termination.

7.5. Survival. Sections 1, 2.2, 2.4, 2.5, 3, 4.3, 5.3, 6, 7.2, 7.3 and 8 of the Agreement, Section 6 of the SDK Addendum, and the Special Terms Addendum, will survive the termination or expiration of this Agreement or of any Purchasing Agreement.

#### 8. GENERAL.

8.1. Promotion. Unless otherwise provided in the Purchasing Agreement, Customer agrees that Synopsys may use Customers name and logo (in a form approved by Customer) to identify Customer as a customer on Synopsys

website or in marketing or publicity materials or in any filings made in connection with state or federal securities laws. Additionally, upon execution of this Agreement, the parties will use commercially reasonable efforts to issue mutually agreed upon joint press releases or other public communications announcing Customers entry into this Agreement.

8.2. Maintenance Services means any standard Synopsys maintenance and support services (excluding onsite support or consulting services referenced in Section 8.3 below) related to the Licensed Product licensed hereunder pursuant to a Purchasing Agreement, where such services shall be governed by the applicable Synopsys Maintenance Services terms attached to this Agreement. Except as indicated on an applicable Purchasing Agreement, fees for Licensed Products include Synopsys Standard Maintenance Services for the duration of the license term applicable to such Licensed Products. In the event that the Synopsys Maintenance Services Terms are not included herein (as an addendum hereto or otherwise), the terms for Synopsys Maintenance Services are hereby incorporated herein by reference, and are available at: for (a) Black Duck labeled products at <https://www.blackducksoftware.com/support/support-plans> and (b) for all other Licensed Products at: <https://www.synopsys.com/company/legal/software-integrity/maintenance-service-terms-v2015-1.html>, or as otherwise indicated in the Purchasing Agreement.

8.3. Onsite Support Services; Customer Success; Training. If Synopsys provides any Services (as defined in the attached Onsite Support Services Terms Addendum, and excluding Maintenance Services referenced in Section 8.2 above) to Customer, the Services shall be governed by the attached Synopsys Onsite Support Services Terms. In the event that the Synopsys Onsite Support Services Terms are not attached to this Agreement (as an addendum or otherwise), the terms for Onsite Support Services, are hereby incorporated herein by reference, and are available at: <https://www.synopsys.com/company/legal/software-integrity/onsite-support-services-terms-v2015-1.html> or as otherwise indicated in the Purchasing Agreement. Synopsys shall not be obligated to perform any On-Site Support Services, excluding Training, until the parties enter into a written Statement of Work describing the scope of such Services to be performed and such Statement of Work shall be governed by the terms of this Agreement and the applicable Purchasing Agreement. Where described in the applicable Purchasing Agreement or the Statement of Work, as applicable, actual travel and related expenses will be charged to Customer as incurred, provided that such expenses shall be capped at \$3,000 per each five (5) consecutive consulting days. For clarity, payment for Onsite Support Services or Maintenance Services does not entitle Customer to Customer Success program services or training services. Onsite Support Services, Customer Success program services or training services that remain unused at the end of the license term referenced in the applicable Purchasing Agreement will be forfeited and Customer will not be entitled to any refund for unused portions.

8.4. Software Development Kit. For some Licensed Products, Synopsys provides a software development kit (SDK) to Customer with the Licensed Product. Use of the SDK shall be governed by the Synopsys SDK terms included in the addendum attached to this Agreement. In the event that the Synopsys SDK terms are not included herein (as an addendum hereto or otherwise), the SDK terms are available at: <https://www.synopsys.com/company/legal/software-integrity/software-development-kit.html>.

8.5. Export Control. Customer agrees that the Licensed Product, Services and Technical Support subject to this Agreement are subject to the export control laws and regulations of the United States, including but not limited to the Export Administration Regulations (EAR), and sanctions regulations of the U.S. Department of the Treasury, Office of Foreign Assets Control and that Customer will comply with these laws and regulations. Without limiting the foregoing, if any of the Licensed Products, Services and Technical Support governed by this Agreement, or the direct product of any such Licensed Product, Services and Technical Support (each, a Controlled Product), is subject to the national security controls as identified on the Commerce Control List (the Controlled Products), Customer will not, without a U.S. Bureau of Industry and Security license or license exception, export, re-export, or transfer a Controlled Product, either directly or indirectly, to any national of any country identified in Country Groups D:1 or E:1 as defined in the EARs. In addition, the Licensed Product, Services and Technical Support subject to this Agreement may not be exported, re-exported, or transferred to (a) any person or entity listed on the Entity List, Denied Persons List or the list of Specifically Designated Nationals and Blocked Persons" as such lists are

maintained by the U.S. Government, or (b) an end-user engaged in activities related to weapons of mass destruction. Such activities include but are not necessarily limited to activities related to: (i) the design, development, production, or use of nuclear materials, nuclear facilities, or nuclear weapons; (ii) the design, development, production, or use of missiles or support of missiles projects; and (iii) the design, development, production, or use of chemical or biological weapons. Customer will, at Synopsys request, demonstrate compliance with all such applicable export laws, restrictions, and regulations.

8.6. Assignment. Customer may not assign this Agreement, or any licenses granted hereunder, in whole or in part, by operation of law or otherwise. Any attempt to so assign without such consent will be void and of no effect. Subject to the foregoing, this Agreement will bind and inure to the benefit of each party's permitted successors and assigns.

8.7. Governing Law and Jurisdiction. This Agreement will be governed by and construed in accordance with the laws of the State of California excluding that body of laws known as conflicts of law. The parties expressly agree that the United Nations Convention on Contracts for the International Sale of Goods will not apply. Any legal action or proceeding arising under this Agreement will be brought exclusively in the federal or state courts located in the Northern District of California and the parties irrevocably consent to the personal jurisdiction and venue therein. Customer agrees that the Uniform Computer Information Transactions Act or any version thereof, adopted by any state, in any form ("UCITA"), shall not apply to this Agreement. To the extent that UCITA is applicable, the parties agree to opt out of the applicability of UCITA pursuant to the opt-out provision(s) contained therein.

8.8. Verification and Audit. In addition to the Use and Compliance Data collected by the License Manager, Customer will monitor and track access to and use of the Licensed Product. At Synopsys written request, Customer will furnish Synopsys with (a) a certification signed by an authorized representative of Customer providing user or access information that identifies whether the Licensed Product is being used in accordance with the terms of this Agreement, and (b) log files from any License Manager that regulates access to the Licensed Product. Upon at least thirty (30) days prior written notice, Synopsys may engage, at its expense, an independent auditor to audit Customer's use of the Licensed Product to ensure that Customer is in compliance with the terms of this Agreement and the applicable Purchasing Agreements. Any such audit will be conducted during regular business hours at Customer's facilities and will not unreasonably interfere with Customer's business activities. Customer will provide the auditor with access to the relevant records and facilities. If an audit reveals that Customer has underpaid fees to Synopsys during the period audited, then Synopsys will invoice Customer, and Customer will promptly pay Synopsys for such underpaid fees based on Synopsys's price list in effect at the time the audit is completed. If the underpaid fees exceed five percent (5%) of the license fees paid by Customer for the Licensed Product, then Customer will also pay Synopsys costs of conducting the audit.

8.9. Nonexclusive Remedy. Except as expressly set forth in this Agreement, the exercise by either party of any of its remedies under this Agreement will be without prejudice to its other remedies under this Agreement or otherwise.

8.10. Force Majeure. Neither party will be responsible for any failure or delay in its performance under this Agreement (except for any payment obligations) due to causes beyond its reasonable control, including, but not limited to, labor disputes, strikes, lockouts, shortages of or inability to obtain labor, energy, raw materials or supplies, war, terrorism, riot, natural disasters or governmental action.

8.11. Notices. All notices required or permitted under this Agreement will be in writing. Notices will be effective upon delivery if delivered in person and upon mailing if delivered by courier service, overnight delivery services or by a form of certified or express mail. Notices affecting this Agreement as a whole will be sent to the address set forth above, if any, or to such other address of a party as such party may identify in writing; notices related to a particular transaction will be sent to the primary corporate addresses set forth in the Purchasing Agreement or to such other address as Customer or Synopsys may notify the other party in writing.

8.12. Entire Agreement; Modification; Interpretation. This Agreement, including any Addenda hereto and any Statements of Work attached thereto, and all accepted Purchasing Agreements referencing this Agreement, constitute the complete and exclusive understanding and agreement between the parties regarding its subject matter and supersedes all prior or contemporaneous agreements or understandings, written or oral, relating to its subject

matter. Customer agrees that additional or different terms on Customers purchase order shall not apply. Failure to enforce any provision of this Agreement will not constitute a waiver of future enforcement of that or any other provision. Any waiver, modification or amendment of this Agreement will be effective only if in writing and signed by Customer and an authorized representative of Synopsys. If for any reason a court of competent jurisdiction finds any provision of this Agreement invalid or unenforceable, that provision will be enforced to the maximum extent permissible and the other provisions of this Agreement will remain in full force and effect. The word including when used in this Agreement will mean including without limitation of the generality of any description, definition, term or phrase preceding that word.

8.13. U.S. Government Restricted Rights. All Licensed Products are Commercial Computer Software as defined under FAR 252.227-7014. For customers subject to the Defense Federal Acquisition Resolutions (DFAR), the Commercial Computer Software and associated documentation are sold pursuant to Synopsys' standard commercial license pursuant to DFARS 227.7202-1.Commercial Products. For all other government customers, use, duplication, or disclosure by the U.S. Government is subject to restrictions set forth in subparagraph (b)(2) of Commercial Computer Software License 48 CFR 52.227-19, as applicable.

8.14. Synopsys Entities. Synopsys, Inc. and its wholly-owned subsidiaries, including, but not limited to, Synopsys International Limited, Synopsys International Limited Taiwan Branch, Nihon Synopsys, G.K., Synopsys Korea, Inc. and Synopsys Technologies Company Limited, have agreed to their respective rights and obligations regarding the distribution of the Licensed Products and the performance of obligations related to the Licensed Products. You acknowledge that: (a) Synopsys Inc. or any directly or indirectly wholly-owned subsidiary or branch of Synopsys, Inc. may treat a purchase order addressed to that entity, representative office or branch as having been addressed to the appropriate entity or entities or branch with distribution rights for the geographic region in which the Licensed Products will be used; and (b) delivery will be completed by the Synopsys entity or branch with distribution rights for the geographic region in which the Licensed Products will be used or service will be provided. For products used or services provided in a country in the Americas, Israel or Africa or US dollar transactions in Russia, the distributing Synopsys entity is Synopsys, Inc., based in California, USA. For products used or services provided in Taiwan, the distributing Synopsys entity is Synopsys International Limited Taiwan Branch, based in Taiwan. For products used or services provided in Japan, the distributing Synopsys entity is Nihon Synopsys G. K., based in Japan. For products used or services provided in the Republic of Korea, the distributing Synopsys entity is Synopsys Korea, Inc., based in Korea. For products used or services provided in China in Renminbi, the distributing Synopsys entity is Synopsys Technologies Company Limited, based in China. For products used or services provided in any country other than those identified above, the distributing Synopsys entity is Synopsys International Limited, based in Ireland.

8.15. Counterparts and Execution. This Agreement may be executed in counterparts, each of which will be deemed an original, but all of which together will constitute one and the same instrument. An originally executed version of this Agreement or any Exhibit, attachment and subsequent Purchasing Agreement (including, where applicable, a Customer purchase order issued in response to a Purchasing Agreement where such issuance constitutes execution), that is delivered by one party to the other party, as evidence of signature, by facsimile, or by electronic mail after having been scanned as an image file (including, Adobe PDF, TIF, etc.) shall, for all purposes hereof, be deemed an original signature and neither party shall have the right to object to the manner in which the Agreement was executed as a defense to the enforcement of the Agreement.

8.16. Controlling Language. This Agreement has been prepared, negotiated and signed in English, and English is the controlling language of this Agreement. Even if any other language version is prepared, including the Japanese version of this document, such version is for convenience purposes only and the English version shall prevail if there is any difference between such version and English version.

END OF TERMS AND CONDITIONSMAINTENANCE SERVICES TERMS ADDENDUM

1. 1. Maintenance Services. Maintenance Services means the standard Maintenance and Support provided by Synopsys to Customer as further described below. Subject to Customers payment of applicable fees, Synopsys will provide the following standard Maintenance Services to Customer for the period agreed by the parties in the order documentation:

1.1 Maintenance and Support.

(a) Maintenance. Maintenance means the provision by Synopsys to Customer of any Releases or Workarounds that are made generally available by Synopsys to customers who subscribe for Synopsys Maintenance Services offering.

(i) A Release will be one of the following: A Major Release means a specific edition of the Licensed Product that contains major functionality changes. The content and timing of all Major Releases will be determined by Synopsys in its sole discretion. Major Releases are signified by version changes to the left of the decimal point (e.g. 2.0 -> 3.0) following the product name. A Minor Release means a specific edition of the Licensed Product that contains minor, but significant functionality changes and could include Licensed Product Updates. The content and timing of all Minor Releases will be determined by Synopsys in its sole discretion. Minor Releases are signified by version changes to the right of the decimal point (e.g. 2.5 -> 2.6) following the product name.

(ii) Workaround means a Licensed Product patch, error correction, or feasible change in operating procedures whereby the Licensed Product is made sufficiently functional so that Customer can continue to use the Licensed Product. Synopsys may provide Workarounds for a release to resolve a Service Issue for up to twelve (12) months after the earlier of (i) the date the subsequent Release is first made commercially available, and (ii) the date the current Release is no longer made available as a commercial offering by Synopsys. After such twelve (12) month period, Synopsys is not obligated to provide Workarounds but will support Customers update of the Licensed Product to the latest Release. Where Workarounds are to be delivered to resolve a Service Issue, Synopsys will provide Customer with a single copy of a Workaround on suitable media or shall make available the applicable Workaround for download by Customer from Synopsys web site.

(b) Support. Support means the e-mail and telephone technical services that Synopsys offers regarding the use and function of the Licensed Product. Synopsys will provide Support and respond to Service Issues as further described below. A Service Issue is a Customer inquiry regarding the functionality or use of the Licensed Product. Customer agrees that Synopsys Support obligations concerning the Licensed Products use with third party products, including compilers, operating systems and other Licensed Product, shall be limited to those items set forth in the Documentation. Service Issues are assigned a classification at the time of Customers initial contact with Synopsys, and are classified according to the severity levels set forth below. Synopsys will initially respond in accordance with the response times applicable to Service Issues reported by telephone or e-mail during Synopsys regular service hours for the applicable region as set forth below. Failure to contact Customer within the response time period because Customer is unavailable (e.g., phone busy, no answer, in a meeting, or out of the office) does not constitute Synopsys noncompliance with the response commitment. Customer shall cooperate with Synopsys to provide reproducible results for any errors reported. Synopsys ability to provide Support will depend, in some cases, on the ability of Customers representatives to provide accurate and detailed information and to aid Synopsys in handling a Service Issue. Customer shall provide Synopsys with reasonable access to Customer systems, premises and staff as needed to provide Support. Synopsys will provide Support for each Release for at least eighteen (18) months after the subsequent Release is first made commercially available. After such period, Synopsys will provide Support, as needed, to Customer to update its use of the Licensed Product to the latest Release of the Licensed Product.

Service Issue Classification

Response Time

Next Steps

Severity P1 Critical Business Impact: Licensed Product is not functioning or is stopped or severely impacted so that Customer cannot reasonably continue use of Licensed Product and no Workaround is available.

One business day

Once the Service Issue is verified, Synopsys will engage development staff during Synopsys business hours (but in no event later than 12 hours after the Service Issue is verified) until a Workaround is achieved.

Severity P2Major Business Impact: Licensed Product is functioning inconsistently causing significantly impaired Customer usage and productivity, such as periodic work stoppages and feature crashes.

One business day

Once the Service Issue is verified, Synopsys will engage development staff during Synopsys business hours (but in no event later than 24 hours after the Service Issue is verified) until a Workaround is achieved.

Severity P3Minor Business Impact: Licensed Product is functioning inconsistently causing slightly impaired Customer usage and productivity but Customer can work around such inconsistency or impairment.

Two business days

Once the Service Issue is verified, Synopsys will consider a Workaround, if appropriate in Synopsys sole discretion, and Licensed Product enhancements for such Service Issue for inclusion in a subsequent Release.

Severity P4No Business Impact: Licensed Product is functioning consistently but Customer requests minor changes in Licensed Product such as Documentation updates, cosmetic defects or enhancements.

Three business days

Once contact has been made with Customer, Synopsys will consider Licensed Product enhancements for inclusion in a subsequent Release.

(c) Customer Point of Contact. Customer will designate a specific individual to be the primary point of contact for Maintenance Service communications with Synopsys and will deliver contact information for such individual to Synopsys support team.

1.2 On-Site Support. Customer may elect to purchase specific on-site support packages, details of which can be found on Synopsys website: <https://www.synopsys.com/company/legal/software-integrity/onsite-support-services-terms-v2015.1-1.html>. The purpose of on-site support is to help customers optimize deployment of the Licensed Product, including installation, setup, configuration, and additional support offerings.

1.3 Exclusions to Maintenance Services. Maintenance Services do not include the right to access new or bundled product offerings made available by Synopsys, unless licenses for such offerings are separately purchased.

Synopsys will not have any obligation to provide Maintenance Services for problems in the operation or performance of the Licensed Product to the extent caused by any of the following: (a) modifications to the Licensed Product made by a party other than Synopsys; (b) Customers use of the Licensed Product other than as authorized by the applicable agreement licensing the Licensed Product to Customer or as provided in the Documentation; or (c) Customers use of releases other than those releases of the Licensed Product covered by Maintenance Services, (d) Customers failure to use any error corrections or updates thereto provided by Synopsys to address such problem, or (e) use of scripts or other deliverables provided to Customer under On-Site Support services (as described in Section 1.2 above). If, in its sole discretion, Synopsys determines that a problem in the operation or performance of the Licensed Product is caused by the foregoing, then Synopsys will notify Customer promptly and have no further Maintenance Service obligations related to such problem. If Customer requests services beyond standard Maintenance Services, Synopsys will have the right to invoice Customer at Synopsys then-current published time and materials rates for the provision of such services.

## 2. Hours of Service and Contact Information.

For Customers located in Europe:

Contact us by:

At  
During  
Email  
software-integrity-support@synopsys.com  
9:00 17:00 UK time  
Phone  
+44 (0) 1276 400352  
9:00 17:00 UK time

For Japanese-language support:

Contact us by:  
At  
During  
Email  
software-integrity-support-japan@synopsys.com  
9am 5pm JST  
Phone  
+81-03-6746-3666  
9am 5pm JST

For Korean-language support:

Contact us by:  
At  
During  
Email  
software-integrity-support-korea@synopsys.com  
9am 5pm KST  
Phone  
+82-2-3404-9332  
9am 5pm KST

For Mandarin-language support:

Contact us by:  
At  
During  
Email  
software-integrity-support-china@synopsys.com  
9am 5pm CST  
Phone  
+86-4006-966-606  
9am 5pm CST

For Customers located in India:

Contact us by:

At  
During  
Email  
software-integrity-support@synopsys.com  
9:00 17:00 IST  
Phone  
+91-(0)80 6751 1888 or 1(800) 419-4311  
9:00 17:00 IST

For all other Customers:

Contact us by:  
At  
During  
Email  
software-integrity-support@synopsys.com  
7am 6pm Pacific Time  
Phone  
+1 800-873-7793 or  
+1 415.321.5239  
7am 6pm Pacific Time

All contact information is subject to change upon notice from Synopsys. Closed on public holidays.

3. General. These terms and conditions contain the parties entire agreement concerning Maintenance Services. Customer agrees that additional or different terms on Customers purchase order shall not apply. Any waiver, modification or amendment of these terms and conditions will be effective only if in writing and signed by an authorized representative of Customer and Synopsys.

## END OF MAINTENANCE SERVICES TERMS ADDENDUM

### Onsite Support Services TERMS Addendum

#### 1. SERVICES

1.1. Services. Customer has entered into an Agreement for a license to the Licensed Product as set forth therein. In connection with Customers use of the Licensed Product, Customer may contract to retain Synopsys to provide Customer with the services set out in the applicable Addendum, Purchasing Agreement, Customer Success Package and/or Statement of Work to the Agreement (collectively the Services). The delivery of the Services is expressly conditioned on Customers acceptance of the terms and conditions of this Addendum.

1.2. Purchasing Agreements; Statements of Work. Customer will order Services by executing one or more written Statements of Work or Purchasing Agreements as applicable. Synopsys shall not be obligated to deliver such Services until Customer and Synopsys enter into one or more (a) written statements of work (each a Statement of Work) specifically identifying the Services to be delivered by Synopsys in connection with the applicable Purchasing Agreement, unless otherwise agreed to by the parties in the applicable Addendum or (b) Purchasing Agreements identifying the applicable Services to be performed. If applicable, a Statement of Work shall identify the Services that Customer requests Synopsys to provide, the duration of the Services, the fees payable by Customer for the Services, and the payment structure. To be effective, each Addendum, Purchasing Agreement and/or Statement of Work (as applicable) must reference this Addendum, and be agreed to in writing by an authorized representative of Synopsys and Customer, and once so agreed upon will be incorporated herein by reference. If no

Purchasing Agreement or Statement of Work is executed in connection with the performance of the Services, a Synopsys invoice referencing this Addendum in response to Customers correct purchase order shall be Synopsys acceptance of the services transaction. Additional or different terms of Customers purchase order shall not apply.

1.3. Performance of Services. Synopsys will perform the Services using such resources as Synopsys deems necessary in accordance with the terms and conditions of this Addendum and of each applicable Purchasing Agreement and Statement of Work. The Services shall be performed solely in relation to the licenses to the Licensed Product granted by Synopsys to Customer under the Agreement. All terms of the Agreement and Purchasing Agreement that are not specifically amended herein will remain in full effect. Nothing in this Agreement grants Customer any rights to the Licensed Product other than as explicitly stated herein. If Synopsys personnel are working on Customers premises: (a) Customer will provide a safe and secure working environment for such personnel; and (b) Synopsys will comply with all reasonable workplace safety and security standards and policies that are applicable to Customers employees and of which Customer notifies Synopsys in writing and in advance of the commencement of any Services.

1.4. Customer Responsibilities. Customer will provide Synopsys with access to Customers sites and facilities during Customers normal business hours as reasonably required by Synopsys to perform the Services. Customer will also make available to Synopsys any data, information and any other materials reasonably required by Synopsys to perform the Services, including, but not limited to, any data, information or materials specifically identified in the Statement of Work (collectively, Customer Materials).

1.5. Relationship of the Parties. Synopsys is performing the Services as an independent contractor, not as an employee, agent, joint venturer or partner of Customer. Synopsys acknowledges and agrees that its personnel are not eligible for or entitled to receive any compensation, benefits or other incidents of employment that Customer makes available to its employees. Accordingly, for a period of twelve (12) months following the completion of the Services, Customer agrees not to directly or indirectly solicit for employment any Synopsys employees or contractors, provided that a job posting available to the general public shall not be deemed such a solicitation.

2. FEES AND EXPENSES. As consideration for the Services, Customer will pay Synopsys fees in accordance with the terms set forth in the applicable Purchasing Agreement. Unless otherwise stated in the applicable Purchasing Agreement, Customer Success Package or Statement of Work, all Services are provided on a time and materials basis. In addition, Customer will reimburse Synopsys for all reasonable and customary travel, lodging and other related expenses incurred by Synopsys or its personnel in connection with the performance of the Services in accordance with the terms set forth in the applicable Purchasing Agreement, Customer Success Package, or Statement of Work upon being provided with receipts and other documentation for all such expenses.

3. OWNERSHIP. Material and associated intellectual property rights developed by a party prior to or outside of the scope of a Customer Success Package or Statement of Work (Pre-Existing Material) shall be, as between the parties, owned by the developing party. Synopsys shall own all rights, title and interest in all scripts, methodologies, processes, and documentation, and all intellectual property rights therein, developed during the provision of the Services involving (i) implementation or installation of Licensed Products into Customers environment, (ii) configuration of workflow or reporting capabilities of the Licensed Product, and (iii) optimization of the use of the Licensed Product in Customers environment (collectively, the Synopsys-Owned Work Product). Synopsys hereby grants to Customer, for the license term applicable to the Licensed Product licensed to Customer under the applicable Purchasing Agreement, a nonexclusive, worldwide, right to use, reproduce and create derivative works of any Pre-Existing Material owned by Synopsys and incorporated into deliverables of the Services, and the Synopsys-Owned Work Product, for Customers internal business purposes to aid in Customers use of Licensed Product licensed by it.

4. SERVICES WARRANTY. Synopsys warrants that, for a period of ninety (90) days from the completion of the Services (the Services Warranty Period) the Services will be performed in a professional and workmanlike manner consistent with applicable industry standards. If during the Services Warranty Period, Synopsys receives from Customer a written notice of the Services non-conformance with the provisions set forth in this Section 4, Synopsys will, as Customers sole and exclusive remedy and Synopsys entire liability for any breach of the foregoing warranty,

at Synopsys' sole option and expense, promptly re-perform the non-conforming Services or refund to Customer the fees paid for the non-conforming Services. THE FOREGOING STATES CUSTOMERS SOLE AND EXCLUSIVE REMEDY FOR WARRANTY CLAIMS RELATED TO THE SERVICES.

5. ENTIRE ADDENDUM. The parties acknowledge that they have had previous discussions related to Synopsys performance of the Services for Customer. This Addendum, together with any Statements of Work or Customer Success Packages incorporated into the Agreement by reference and the Agreement, constitutes the complete and exclusive understanding and agreement between the parties on the subject matter and supersedes all prior or contemporaneous agreements or understandings, written or oral, relating to the Agreement, this Addendum, any Customer Success Packages or any Statements of Work.

END OF ONSITE SUPPORT SERVICES ADDENDUM SOFTWARE DEVELOPMENT KIT ADDENDUM

IMPORTANT INFORMATION READ CAREFULLY

UNLESS YOU HAVE OBTAINED PERMISSION TO USE THE LICENSED PRODUCT UNDER A SEPARATE, DULY SIGNED LICENSE AGREEMENT OR AN EVALUATION LICENSE WITH SYNOPSIS OR AN AUTHORIZED DISTRIBUTOR, THE ACCOMPANYING SOFTWARE IS PROVIDED UNDER THE FOLLOWING TERMS AND CONDITIONS AND ANY SUPPLEMENTAL TERMS REFERENCED BELOW AND YOUR RIGHT TO USE THE SOFTWARE IS CONDITIONED UPON YOUR ACCEPTANCE OF THIS AGREEMENT.

IF YOU DO NOT ACCEPT THESE TERMS AND CONDITIONS AND YOU DO NOT HAVE A SEPARATE LICENSE AGREEMENT AS REFERENCED ABOVE, YOU MAY NOT USE OR COPY THE SOFTWARE AND YOU MUST DELETE ANY COPIES OF IT FROM YOUR SYSTEMS.

#### 1. SCOPE AND KEY TERMS.

This is an addendum (this SDK Addendum) to the Agreement concerning Customers use of the Licensed Product described below. The rights granted to the Licensed Product are expressly conditioned upon acceptance of the additional terms and conditions stated in this SDK Addendum by Customer. If an Authorized User of Customer is using the Licensed Product, Customer is the licensee of the Licensed Product. Customer may have already accepted a version of the terms and conditions of this SDK Addendum by signing a Purchasing Agreement referencing them. In all other circumstances, use by an Authorized User binds such user and Customer to these Terms and Conditions by using the Licensed Product.

The Licensed Product is the proprietary information of Synopsys or its suppliers who retain exclusive title to their intellectual property rights in the Software. Customers rights to the Licensed Product are limited to those expressly granted below, and Synopsys reserves all rights not expressly granted in this SDK Addendum.

2. Definitions. Capitalized terms in this Addendum have the meanings given them in the Agreement and/or applicable Purchasing Agreement. Whenever capitalized in this SDK Addendum:

2.1 SDK Addendum means this Synopsys SDK Addendum.

2.2 Agreement means the applicable Synopsys End User Software License and Maintenance Agreement pursuant to which a license to the Licensed Product was granted to Customer in accordance with the terms and conditions therein. This SDK Addendum is hereby incorporated by reference into the Agreement.

2.3 Checker means one or more bug checkers developed by Customer or its Authorized Users in compliance with the Documentation for specific use with the Licensed Product.

2.4 Documentation means, for purposes of this SDK Addendum, the Documentation (as defined in the Agreement) that is specific to the Licensed Product licensed pursuant to this SDK Addendum.

2.5 SDK or Software Development Kit means the Documentation and the Licensed Product (source code and object code) provided or made available by Synopsys for use by Customer in connection with Customers use of the Licensed Product in accordance with the terms of the Agreement.

2.6 Licensed Product means, for purposes of this SDK Addendum, the Synopsys Analysis Integration Toolkit

(including without limitation any applications, sample code, simulator, tools, libraries, APIs, data, files, and materials).

2.7 Licensed Term means the period described in the applicable Purchasing Agreement for the Licensed Product.

### 3. SDK Internal Use License and Restrictions.

3.1 Permitted Uses and Restrictions. Subject to Customer's compliance with the terms and conditions of the Agreement and this SDK Addendum, Synopsys hereby grants Customer during the Licensed Term, a limited, non-exclusive, personal, revocable, non-sub-licensable and non-transferable license to:

3.1.1 Install up to the licensed number of copies of the SDK on computers owned or controlled by Customer, to be used internally by Customer or Customer's Authorized Users for the sole purpose of developing or testing Checkers; and

3.1.2 Make and distribute a reasonable number of copies of the Documentation to Authorized Users for Customer's internal use only and for the sole purpose of developing or testing Checkers. Customer understands that Checkers developed using the SDK can only be installed or used in conjunction with the Licensed Product. Synopsys shall not be responsible for any costs, expenses or other liabilities Customer may incur as a result of Customer's Checker development or use of this SDK.

3.2 Copies. Customer agrees to retain and reproduce in full the Synopsys copyright, disclaimers and other proprietary notices (as they appear in the SDK and Documentation provided) in any Checker created by Customer and/or its Authorized Users and in all copies of the SDK and Documentation that Customer is permitted to make under this Addendum.

### 4. Ownership.

4.1 Synopsys retains all rights, title, and interest in and to the SDK it may make available to Customer under this Addendum. Customer agrees to cooperate with Synopsys to maintain Synopsys ownership of the SDK (including all Synopsys SDK materials incorporated into the Checkers that are created in connection therewith), and Customer agrees to promptly provide notice of any claims relating to the SDK (and any SDK materials incorporated into such Checkers).

4.2 Except with respect to the SDK materials that are permitted to be incorporated into a Checker pursuant to the terms of this Addendum, Customer shall retain all rights, title and interest in and to the Checkers, subject to the use limitations stated herein.

4.3 Customer hereby grants to Synopsys, its subcontractors and authorized distributors, without charge, the right to use, copy, modify and create derivative works of any such Checkers solely for the purpose of (i) improving the operation, functionality or use of Synopsys existing and future product offerings and commercializing such offerings; and (ii) publishing aggregated statistics about software quality, provided that no data in any such publication can be used to specifically identify Customer or Customer's Checkers or software code.

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## 1.655 browserify-resolve 1.22.1

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# 1.658 json-library-from-android-sdk

## 0.0.20131108.vaadin1

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\* /opt/cola/permits/1089224571\_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSONException.java  
\* /opt/cola/permits/1089224571\_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSONTokener.java  
\* /opt/cola/permits/1089224571\_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSONStringer.java  
\* /opt/cola/permits/1089224571\_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSONObject.java  
\* /opt/cola/permits/1089224571\_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSONArray.java  
\* /opt/cola/permits/1089224571\_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSON.java

# 1.659 pirates 4.0.5

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\* /opt/ws\_local/PERMITS\_SQL/1020785037\_1591852480.84/0/handlebars-helpers-4-0-7-sources-jar/com/github/jknack/handlebars/helper/IncludeHelper.java  
\* /opt/ws\_local/PERMITS\_SQL/1020785037\_1591852480.84/0/handlebars-helpers-4-0-7-sources-jar/com/github/jknack/handlebars/helper/JodaHelper.java  
\* /opt/ws\_local/PERMITS\_SQL/1020785037\_1591852480.84/0/handlebars-helpers-4-0-7-sources-jar/com/github/jknack/handlebars/helper/NumberHelper.java  
\* /opt/ws\_local/PERMITS\_SQL/1020785037\_1591852480.84/0/handlebars-helpers-4-0-7-sources-jar/com/github/jknack/handlebars/helper/AssignHelper.java

# 1.664 byte-buddy 1.12.23

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## 1.665 netty/transport/classes/epoll

### 4.1.91.Final

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\* /opt/cola/permits/1668653360\_1684136545.3051164/0/netty-transport-classes-epoll-4-1-91-final-jar/META-INF/maven/io.netty/netty-transport-classes-epoll/pom.xml

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Manifest-Version: 1.0

Implementation-Title: Netty/Transport/Classes/Epoll

Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.

Automatic-Module-Name: io.netty.transport.classes.epoll

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0>

Bundle-SymbolicName: io.netty.transport-classes-epoll

Implementation-Version: 4.1.91.Final

Built-By: root

Bnd-LastModified: 1680518130182

Bundle-ManifestVersion: 2

Implementation-Vendor-Id: io.netty

Bundle-DocURL: <https://netty.io/>

Bundle-Vendor: The Netty Project

Import-Package: io.netty.buffer;version="[4.1,5)",io.netty.channel;version="[4.1,5)",io.netty.channel.socket;version="[4.1,5)",io.netty.channel.unix;version="[4.1,5)",io.netty.util;version="[4.1,5)",io.netty.util.collection;version="[4.1,5)",io.netty.util.concurrent;version="[4.1,5)",io.netty.util.internal;version="[4.1,5)",io.netty.util.internal.logging;version="[4.1,5)",sun.nio.ch;resolution:=optional,org.eclipse.jetty.npn;version="[1,2)";resolution:=optional,org.eclipse.jetty.alpn;version="[1,2)";resolution:=optional

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"

Tool: Bnd-6.3.1.202206071316

Implementation-Vendor: The Netty Project

Export-Package: io.netty.channel.epoll;uses:="io.netty.buffer,io.netty.channel,io.netty.channel.socket,io.netty.channel.unix,io.netty.util,io.netty.util.concurrent";version="4.1.91"

Bundle-Name: Netty/Transport/Classes/Epoll

Bundle-Version: 4.1.91.Final

Build-Jdk-Spec: 1.8

Created-By: Apache Maven Bundle Plugin 5.1.8

Build-Jdk: 1.8.0\_362

Implementation-URL: <https://netty.io/netty-transport-classes-epoll/>

Found in path(s):

\* /opt/cola/permits/1668653360\_1684136545.3051164/0/netty-transport-classes-epoll-4-1-91-final-jar/META-

INF/MANIFEST.MF

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```
* /opt/cola/permits/1668653360_1684136545.3051164/0/netty-transport-classes-epoll-4-1-91-final-jar/META-  
INF/native-image/io.netty.netty-transport-classes-epoll/native-image.properties
```

## 1.666 jest-get-type 28.0.2

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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Martin Richards

23 February 2007

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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  </ItemGroup>
</ItemGroup>
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</ItemGroup>
</Project>
```

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<https://github.com/santoshshahoo/nbench> (mirror of the same code)

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## 1.670 types-http-errors 2.0.1

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## 1.671 spring-boot 2.7.11

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>>> org.apache.maven:maven-model-builder
>>> org.apache.maven:maven-repository-metadata
>>> org.apache.maven:maven-settings
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```
>>> org.apache.maven:maven-settings-builder
>>> org.codehaus.plexus:plexus-component-annotations
>>> org.codehaus.plexus:plexus-utils
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# 1.685 lodash-merge 4.6.2

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# 1.686 handlebars-java 4.0.7

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# 1.687 microsoft-build-locator 1.4.1

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-----  
<?xml version="1.0" encoding="UTF-8"?>  
<xsl:stylesheet version="1.0"  
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform"  
    xmlns:sila="http://www.sila-standard.org"  
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
    xsi:schemaLocation="http://www.sila-standard.org  
[https://gitlab.com/SiLA2/sila\\_base/raw/master/schema/FeatureDefinition.xsd](https://gitlab.com/SiLA2/sila_base/raw/master/schema/FeatureDefinition.xsd)">  
  <xsl:output method="text" encoding="UTF-8" indent="no"/>  
  
  <xsl:template match="/sila:Feature">  
    <xsl:call-template name="detect-errors"/>  
  </xsl:template>  
  
  <xsl:template name="detect-errors">  
    <xsl:call-template name="detect-list-of-list"/>  
    <xsl:call-template name="detect-unknown-identifiers"/>  
    <xsl:call-template name="detect-invalid-constraint-base-type"/>  
    <xsl:call-template name="detect-invalid-constraint"/>  
    <xsl:call-template name="detect-duplicate-definitions"/>

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<xsl:call-template name="detect-cyclic-references"/>
<xsl:call-template name="detect-invalid-sila2-version"/>
<xsl:call-template name="detect-invalid-constraint-values"/>
<xsl:call-template name="detect-intermediate-response-in-unobservable-command"/>
</xsl:template>

<xsl:template name="detect-list-of-list">
  <xsl:for-each select="//sila:List">
    <xsl:if test="./sila:DataType/sila:List">
      <xsl:message terminate="yes">Nested lists are not allowed</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:template>

<xsl:template name="detect-unknown-identifiers">
  <xsl:for-each select="//sila:DefinedExecutionErrors/sila:Identifier">
    <xsl:if test="not(//sila:DefinedExecutionError/sila:Identifier/text() = ./text())">
      <xsl:message terminate="yes">DefinedExecutionError '<xsl:value-of select="text()"/>' is not
defined</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:DataTypeIdentifier">
    <xsl:if test="not(//sila:DataTypeDefinition/sila:Identifier/text() = ./text())">
      <xsl:message terminate="yes">Data type identifier '<xsl:value-of select="text()"/>' is not
defined</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:template>

<xsl:template name="detect-invalid-constraint-base-type">
  <xsl:for-each select="//sila:Constrained">
    <xsl:choose>
      <xsl:when test="sila:DataType/sila:Structure">
        <xsl:message terminate="yes">Constrained structures are not allowed</xsl:message>
      </xsl:when>
      <xsl:when test="sila:DataType/sila:Constrained">
        <xsl:message terminate="yes">Constrained constrained types are not allowed</xsl:message>
      </xsl:when>
      <xsl:when test="sila:DataType/sila:DataTypeIdentifier">
        <xsl:message terminate="yes">Constrained data type identifiers are not allowed</xsl:message>
      </xsl:when>
      <xsl:when test="sila:DataType/sila:Basic/text() = 'Boolean'">
        <xsl:message terminate="yes">Constrained booleans are not allowed</xsl:message>
      </xsl:when>
    </xsl:choose>
  </xsl:for-each>
</xsl:template>

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<xsl:template name="detect-invalid-constraint">
  <xsl:for-each select="//sila:Constrained">
    <xsl:choose>
      <xsl:when test="sila:DataType/sila:Basic/text() = 'String'">
        <xsl:for-each select="sila:Constraints/*">
          <xsl:if test="not(
            local-name() = 'Length'
            or local-name() = 'MinimalLength'
            or local-name() = 'MaximalLength'
            or local-name() = 'Pattern'
            or local-name() = 'ContentType'
            or local-name() = 'FullyQualifiedIdentifier'
            or local-name() = 'Schema'
            or local-name() = 'Set'
          )">
            <xsl:message terminate="yes">Invalid constraint on type String: '<xsl:value-of select="local-
name()"/>'</xsl:message>
          </xsl:if>
        </xsl:for-each>
      </xsl:when>
      <xsl:when test="sila:DataType/sila:Basic/text() = 'Integer'">
        <xsl:for-each select="sila:Constraints/*">
          <xsl:if test="not(
            local-name() = 'Set'
            or local-name() = 'MaximalInclusive'
            or local-name() = 'MaximalExclusive'
            or local-name() = 'MinimalInclusive'
            or local-name() = 'MinimalExclusive'
            or local-name() = 'Unit'
          )">
            <xsl:message terminate="yes">Invalid constraint on type Integer: '<xsl:value-of select="local-
name()"/>'</xsl:message>
          </xsl:if>
        </xsl:for-each>
      </xsl:when>
      <xsl:when test="sila:DataType/sila:Basic/text() = 'Real'">
        <xsl:for-each select="sila:Constraints/*">
          <xsl:if test="not(
            local-name() = 'Set'
            or local-name() = 'MaximalInclusive'
            or local-name() = 'MaximalExclusive'
            or local-name() = 'MinimalInclusive'
            or local-name() = 'MinimalExclusive'
            or local-name() = 'Unit'
          )">
            <xsl:message terminate="yes">Invalid constraint on type Real: '<xsl:value-of select="local-
name()"/>'</xsl:message>
          </xsl:if>
        </xsl:for-each>
      </xsl:when>
    </xsl:choose>
  </xsl:for-each>
</xsl:template>

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    </xsl:for-each>
  </xsl:when>
  <xsl:when test="sila:DataType/sila:Basic/text() = 'Binary'">
    <xsl:for-each select="sila:Constraints/*">
      <xsl:if test="not(
        local-name() = 'Length'
        or local-name() = 'MinimalLength'
        or local-name() = 'MaximalLength'
        or local-name() = 'ContentType'
        or local-name() = 'Schema'
      )">
        <xsl:message terminate="yes">Invalid constraint on type Binary: '<xsl:value-of select="local-
name()"/>'</xsl:message>
      </xsl:if>
    </xsl:for-each>
  </xsl:when>
  <xsl:when test="sila:DataType/sila:Basic/text() = 'Date'">
    <xsl:for-each select="sila:Constraints/*">
      <xsl:if test="not(
        local-name() = 'Set'
        or local-name() = 'MaximalInclusive'
        or local-name() = 'MaximalExclusive'
        or local-name() = 'MinimalInclusive'
        or local-name() = 'MinimalExclusive'
      )">
        <xsl:message terminate="yes">Invalid constraint on type Date: '<xsl:value-of select="local-
name()"/>'</xsl:message>
      </xsl:if>
    </xsl:for-each>
  </xsl:when>
  <xsl:when test="sila:DataType/sila:Basic/text() = 'Time'">
    <xsl:for-each select="sila:Constraints/*">
      <xsl:if test="not(
        local-name() = 'Set'
        or local-name() = 'MaximalInclusive'
        or local-name() = 'MaximalExclusive'
        or local-name() = 'MinimalInclusive'
        or local-name() = 'MinimalExclusive'
      )">
        <xsl:message terminate="yes">Invalid constraint on type Time: '<xsl:value-of select="local-
name()"/>'</xsl:message>
      </xsl:if>
    </xsl:for-each>
  </xsl:when>
  <xsl:when test="sila:DataType/sila:Basic/text() = 'Timestamp'">
    <xsl:for-each select="sila:Constraints/*">
      <xsl:if test="not(
        local-name() = 'Set'

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        or local-name() = 'MaximalInclusive'
        or local-name() = 'MaximalExclusive'
        or local-name() = 'MinimalInclusive'
        or local-name() = 'MinimalExclusive'
    )">
    <xsl:message terminate="yes">Invalid constraint on type Timestamp: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:Basic/text() = 'Any'">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'AllowedTypes'
    )">
      <xsl:message terminate="yes">Invalid constraint on type Any: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
<xsl:when test="sila:DataType/sila:List">
  <xsl:for-each select="sila:Constraints/*">
    <xsl:if test="not(
      local-name() = 'ElementCount'
      or local-name() = 'MinimalElementCount'
      or local-name() = 'MaximalElementCount'
    )">
      <xsl:message terminate="yes">Invalid constraint on type List: '<xsl:value-of select="local-
name()"/>'</xsl:message>
    </xsl:if>
  </xsl:for-each>
</xsl:when>
</xsl:choose>
</xsl:for-each>
</xsl:template>

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<xsl:template name="detect-duplicate-definitions">
  <xsl:for-each select="//sila:DefinedExecutionError/sila:Identifier">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:DefinedExecutionError/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Execution error '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="//sila:DataTypeDefinition/sila:Identifier/text()">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count(//sila:DataTypeDefinition/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Data type '<xsl:value-of select="."/>' is defined multiple

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times</xsl:message>
  </xsl:if>
</xsl:for-each>
<xsl:for-each select="//sila:Command/sila:Identifier/text()">
  <xsl:variable name="current-id" select="."/>
  <xsl:if test="count(//sila:Command/sila:Identifier[text() = $current-id]) > 1">
    <xsl:message terminate="yes">Command '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
  </xsl:if>
</xsl:for-each>
<xsl:for-each select="//sila:Property/sila:Identifier/text()">
  <xsl:variable name="current-id" select="."/>
  <xsl:if test="count(//sila:Property/sila:Identifier[text() = $current-id]) > 1">
    <xsl:message terminate="yes">Property '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
  </xsl:if>
</xsl:for-each>
<xsl:for-each select="//sila:Metadata/sila:Identifier/text()">
  <xsl:variable name="current-id" select="."/>
  <xsl:if test="count(//sila:Metadata/sila:Identifier[text() = $current-id]) > 1">
    <xsl:message terminate="yes">Metadata '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
  </xsl:if>
</xsl:for-each>
<xsl:for-each select="//sila:Command">
  <xsl:variable name="current-command" select="."/>
  <xsl:for-each select="sila:Parameter/sila:Identifier/text()">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count($current-command/sila:Parameter/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': parameter '<xsl:value-of select="."/>' is defined multiple times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="sila:IntermediateResponse/sila:Identifier/text()">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count($current-command/sila:IntermediateResponse/sila:Identifier[text() = $current-id]) >
1">
      <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': intermediate response '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
    </xsl:if>
  </xsl:for-each>
  <xsl:for-each select="sila:Response/sila:Identifier/text()">
    <xsl:variable name="current-id" select="."/>
    <xsl:if test="count($current-command/sila:Response/sila:Identifier[text() = $current-id]) > 1">
      <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': response '<xsl:value-of select="."/>' is defined multiple times</xsl:message>
    </xsl:if>
  </xsl:for-each>

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```

</xsl:for-each>
<xsl:for-each select="sila:DefinedExecutionErrors/sila:Identifier/text()">
  <xsl:variable name="current-id" select="."/>
  <xsl:if test="count($current-command/sila:DefinedExecutionErrors/sila:Identifier[text() = $current-id]) >
1">
    <xsl:message terminate="yes">Command '<xsl:value-of select="$current-
command/sila:Identifier/text()"/>': execution error '<xsl:value-of select="."/>' is defined multiple
times</xsl:message>
  </xsl:if>
</xsl:for-each>
</xsl:for-each>
</xsl:template>

<xsl:template name="detect-cyclic-references">
  <xsl:for-each select="//sila:DataTypeDefinition">
    <xsl:variable name="outer-def" select="."/>
    <xsl:variable name="outer-id" select="sila:Identifier/text()"/>
    <xsl:for-each select="//sila:DataTypeDefinition">
      <xsl:variable name="inner-def" select="."/>
      <xsl:variable name="inner-id" select="sila:Identifier/text()"/>
      <xsl:if test="($inner-id != $outer-id) and $inner-def/descendant::sila:DataTypeIdentifier[text() = $outer-id]
and $outer-def/descendant::sila:DataTypeIdentifier[text() = $inner-id]">
        <xsl:message terminate="yes">Cyclic reference in data type definitions '<xsl:value-of select="$outer-
id"/>' and '<xsl:value-of select="$inner-id"/>'</xsl:message>
      </xsl:if>
    </xsl:for-each>
  </xsl:for-each>
</xsl:template>

<xsl:template name="detect-invalid-sila2-version">
  <xsl:variable name="sila2-version" select="@SiLA2Version"/>
  <xsl:if test="not ($sila2-version = '1.0' or $sila2-version = '1.1')">
    <xsl:message terminate="yes">Invalid SiLA2 version: '<xsl:value-of select="$sila2-
version"/>'</xsl:message>
  </xsl:if>
</xsl:template>

<xsl:template name="detect-invalid-constraint-values">
  <xsl:for-each select="//sila:Set/sila:Value | //sila:MaximalExclusive | //sila:MaximalInclusive |
//sila:MinimalExclusive | //sila:MinimalInclusive">
    <xsl:variable name="type" select="ancestor::sila:Constrained/sila:DataType/sila:Basic/text()"/>
    <!-- Integer -->
    <xsl:if test="$type = 'Integer' and local-name() = 'Value'">
      <xsl:call-template name="validate-integer">
        <xsl:with-param name="value" select="text()"/>
      </xsl:call-template>
    </xsl:if>
    <!-- Real -->

```

```

<xsl:if test="$type = 'Real' or ($type = 'Integer' and substring(local-name(), 1, 1) = 'M')">
  <xsl:call-template name="validate-real">
    <xsl:with-param name="value" select="text()"/>
  </xsl:call-template>
</xsl:if>
<!-- Date -->
<xsl:if test="$type = 'Date'">
  <xsl:call-template name="validate-date">
    <xsl:with-param name="date" select="substring(text(), 1, 10)"/>
  </xsl:call-template>
  <xsl:call-template name="validate-timezone">
    <xsl:with-param name="timezone" select="substring(text(), 11)"/>
  </xsl:call-template>
</xsl:if>
<!-- Time -->
<xsl:if test="$type = 'Time'">
  <xsl:call-template name="validate-time">
    <xsl:with-param name="time" select="substring(text(), 1, 8)"/>
  </xsl:call-template>
  <xsl:call-template name="validate-timezone">
    <xsl:with-param name="timezone" select="substring(text(), 9)"/>
  </xsl:call-template>
</xsl:if>
<!-- Timestamp -->
<xsl:if test="$type = 'Timestamp'">
  <xsl:call-template name="validate-date">
    <xsl:with-param name="date" select="substring(text(), 1, 10)"/>
  </xsl:call-template>
  <xsl:if test="substring(text(), 11, 1) != 'T'">
    <xsl:message terminate="yes">Invalid Timestamp: 11th character must be 'T'</xsl:message>
  </xsl:if>
  <xsl:call-template name="validate-time">
    <xsl:with-param name="time" select="substring(text(), 12, 8)"/>
  </xsl:call-template>
  <xsl:call-template name="validate-timezone">
    <xsl:with-param name="timezone" select="substring(text(), 20)"/>
  </xsl:call-template>
</xsl:if>
</xsl:for-each>
<xsl:for-each select="//sila:AllowedTypes//sila:DataTypeIdentifier">
  <xsl:message terminate="yes">DataTypeIdentifier is not allowed in AllowedTypes</xsl:message>
</xsl:for-each>
</xsl:template>

<xsl:template name="validate-integer">
  <xsl:param name="value"/>

  <xsl:if test="not(string-length($value) > 0 and concat(translate(substring($value, 1, 1), '+-0123456789', ''),

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```

translate(substring($value, 2), '0123456789', '') = ")")>
  <xsl:message terminate="yes">Not an integer value: '<xsl:value-of select="$value"/>'</xsl:message>
</xsl:if>
</xsl:template>

<xsl:template name="validate-real">
  <xsl:param name="value"/>

  <xsl:choose>
    <xsl:when test="$value = 'INF' or $value = '-INF' or $value = '+INF' or $value = 'NaN'"/>
    <xsl:when test="contains($value, 'e') or contains($value, 'E')">
      <xsl:variable name="lowercase-value" select="translate($value, 'E', 'e')"/>
      <xsl:call-template name="validate-float">
        <xsl:with-param name="value" select="substring-before($lowercase-value, 'e')"/>
      </xsl:call-template>
      <xsl:call-template name="validate-integer">
        <xsl:with-param name="value" select="substring-after($lowercase-value, 'e')"/>
      </xsl:call-template>
    </xsl:when>
    <xsl:otherwise>
      <xsl:call-template name="validate-float">
        <xsl:with-param name="value" select="$value"/>
      </xsl:call-template>
    </xsl:otherwise>
  </xsl:choose>

</xsl:template>

<xsl:template name="validate-float">
  <xsl:param name="value"/>

  <!-- first character is in '+-.0123456789' and rest is in '.0123456789' -->
  <xsl:if test="translate(substring($value, 1, 1), '+-.0123456789', '') != " or translate(substring($value, 2),
'.0123456789', '') != "">
    <xsl:message terminate="yes">Not a decimal value: '<xsl:value-of select="$value"/>'</xsl:message>
  </xsl:if>
  <!-- only '0123456789' is allowed after the first '.' -->
  <xsl:if test="contains($value, '.') and translate(substring-after($value, '.'), '0123456789', '') != "">
    <xsl:message terminate="yes">Not a decimal value: '<xsl:value-of select="$value"/>'</xsl:message>
  </xsl:if>
</xsl:template>

<xsl:template name="validate-timezone">
  <xsl:param name="timezone"/>
  <!-- Z -->
  <xsl:if test="$timezone != 'Z'">
    <!-- 6 chars -->
    <xsl:if test="string-length($timezone) != 6">

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        <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <!-- char 1 is + or - -->
    <xsl:if test="not(contains('+-', substring($timezone, 1, 1)))">
        <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <!-- chars 2, 3, 5 and 6 are numbers - -->
    <xsl:if test="not(translate(concat(substring($timezone, 2, 2), substring($timezone, 5, 2)), '0123456789', '') =
'')">
        <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <!-- char 4 is : -->
    <xsl:if test="not(substring($timezone, 4, 1) = ':')">
        <xsl:message terminate="yes">Invalid Timezone format: Must be 'Z' or '+HH:MM' or '-HH:MM', was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <xsl:variable name="hour" select="number(substring($timezone, 2, 2))"/>
    <xsl:variable name="minute" select="number(substring($timezone, 5, 2))"/>
    <xsl:if test="0 > $minute or $minute > 59 or 0 > $hour">
        <xsl:message terminate="yes">Invalid Timezone format: Minute must be in range 00-59, was '<xsl:value-
of select="$timezone"/>'</xsl:message>
    </xsl:if>
    <xsl:if test="$minute + $hour * 60 > 840">
        <xsl:message terminate="yes">Invalid Timezone format: Must be in range -14:00 to +14:00, was
'<xsl:value-of select="$timezone"/>'</xsl:message>
    </xsl:if>
</xsl:if>
</xsl:template>

<xsl:template name="validate-date">
    <xsl:param name="date"/>
    <xsl:if test="string-length($date) != 10">
        <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD', was '<xsl:value-of
select="$date"/>'</xsl:message>
    </xsl:if>
    <xsl:if test="translate(concat(substring($date, 1, 4), substring($date, 6, 2), substring($date, 9, 2)), '0123456789',
'') != ''">
        <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD', was '<xsl:value-of
select="$date"/>'</xsl:message>
    </xsl:if>
    <xsl:if test="concat(substring($date, 5, 1), substring($date, 8, 1)) != '--">
        <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD', was '<xsl:value-of
select="$date"/>'</xsl:message>
    </xsl:if>
    <xsl:variable name="year" select="number(substring($date, 1, 4))"/>

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<xsl:variable name="month" select="number(substring($date, 6, 2))"/>
<xsl:variable name="day" select="number(substring($date, 9, 2))"/>
<xsl:if test="$month > 12 or $day > 31">
  <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (month or day out of range),
was '<xsl:value-of select="$date"/>'</xsl:message>
</xsl:if>
<xsl:if test="($month = 4 or $month = 6 or $month = 9 or $month = 11) and $day > 30">
  <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
</xsl:if>
<xsl:if test="$month = 2">
  <xsl:if test="$day > 29">
    <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="$year mod 4 != 0 and $day > 28">
    <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="$year mod 100 = 0 and $year mod 400 != 0 and $day > 28">
    <xsl:message terminate="yes">Invalid Date format: Must be 'YYYY-MM-DD' (day out of range), was
'<xsl:value-of select="$date"/>'</xsl:message>
  </xsl:if>
</xsl:if>
</xsl:template>

<xsl:template name="validate-time">
  <xsl:param name="time"/>
  <xsl:if test="string-length($time) != 8">
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS', was '<xsl:value-of
select="$time"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="translate(concat(substring($time, 1, 2), substring($time, 4, 2), substring($time, 7, 2)),
'0123456789', '') != """>
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS', was '<xsl:value-of
select="$time"/>'</xsl:message>
  </xsl:if>
  <xsl:if test="concat(substring($time, 3, 1), substring($time, 6, 1)) != ':'">
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS', was '<xsl:value-of
select="$time"/>'</xsl:message>
  </xsl:if>
  <xsl:variable name="hour" select="number(substring($time, 1, 2))"/>
  <xsl:variable name="minute" select="number(substring($time, 4, 2))"/>
  <xsl:variable name="second" select="number(substring($time, 7, 2))"/>
  <xsl:if test="$hour > 23 or $minute > 59 or $second > 59">
    <xsl:message terminate="yes">Invalid Date format: Must be 'HH:MM:SS' (hour, minute or seconds out of
range), was '<xsl:value-of select="$time"/>'</xsl:message>
  </xsl:if>

```

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</xsl:template>

<xsl:template name="detect-intermediate-response-in-unobservable-command">
  <xsl:for-each select="//sila:Command[sila:Observable/text() = 'No']/sila:IntermediateResponse">
    <xsl:message terminate="yes">Unobservable commands must not have intermediate
responses</xsl:message>
  </xsl:for-each>
</xsl:template>
</xsl:stylesheet>

```

# 1.688 hypersql-database-engine 2.7.1

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Found in path(s):

```
* /opt/cola/permits/1519137062_1671710577.1414895/0/spring-cloud-starter-sleuth-3-1-3-jar/META-INF/maven/org.springframework.cloud/spring-cloud-starter-sleuth/pom.xml
```

## 1.696 react-devtools-extension 18.2.0

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# 1.697 vavr 0.10.4

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# 1.698 compare-func 2.0.0

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## 1.700 jackson-dataformat-yaml 2.13.5

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# 1.701 nodeca-argparse 1.0.10

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property.

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## 1.702 springdoc-openapi-common 1.6.11

## 1.702.1 Available under license :

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# 1.703 rabbitmqamqp-client 5.14.2

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Found in path(s):

```
* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/DefaultCredentialsRefreshService.java  
* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/TlsUtils.java  
* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/OAuthTokenManagementException.java  
* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/RefreshProtectedCredentialsProvider.java  
* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/UpdateSecretExtension.java  
* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/CredentialsRefreshService.java  
* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/OAuth2ClientCredentialsGrantCredentialsProvider.java
```

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\*/

/\*

\* Based on org.stringtree.json.JSONWriter, licensed under APL and  
\* LGPL. We've chosen APL (see above). The original code was written  
\* by Frank Carver. Tony Garnock-Jones has made many changes to it  
\* since then.

\*/

Found in path(s):

\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/tools/json/JSONWriter.java

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/\*\*

\* Micrometer implementation of { @link MetricsCollector }.  
\* Note transactions are not supported (see { @link MetricsCollector }.  
\* Micrometer provides out-of-the-box support for report backends like JMX,  
\* Graphite, Ganglia, Atlas, Datadog, etc. See Micrometer documentation for  
\* more details.  
\*  
\* Note Micrometer requires Java 8 or more, so does this { @link MetricsCollector }.  
\*  
\* @see MetricsCollector  
\* @since 4.3.0  
\*/

Found in path(s):

\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/impl/MicrometerMetricsCollector.java

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Found in path(s):

\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/Delivery.java

\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/SslEngineConfigurator.java

\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-

jar/com/rabbitmq/client/ConnectionFactoryConfigurator.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/RpcWrapper.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/CancelCallback.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/UnblockedCallback.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/CompletableFutureRpcWrapper.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/DeliverCallback.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/SslContextFactory.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/ConfirmCallback.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/ConsumerShutdownSignalCallback.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/RpcContinuationRpcWrapper.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/BlockedCallback.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/ReturnCallback.java

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jar/com/rabbitmq/client/impl/ErrorOnWriteListener.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/DefaultRetryHandler.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/RetryResult.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/tools/jsonrpc/JsonRpcMapper.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/tools/jsonrpc/JsonRpcMappingException.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/tools/jsonrpc/JacksonJsonRpcMapper.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/TopologyRecoveryRetryHandlerBuilder.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/TopologyRecoveryRetryLogic.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-

jar/com/rabbitmq/client/impl/WorkPoolFullException.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/SslEngineConfigurators.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/impl/recovery/BackoffPolicy.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/SocketChannelConfigurators.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/impl/recovery/RetryContext.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/impl/DefaultCredentialsProvider.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/impl/recovery/TopologyRecoveryFilter.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/impl/CredentialsProvider.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/SocketConfigurators.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-jar/com/rabbitmq/client/impl/recovery/RetryHandler.java

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jar/com/rabbitmq/client/impl/recovery/Utils.java

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* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/nio/SslEngineHelper.java
```

```
* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/nio/SocketChannelFrameHandlerFactory.java
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```
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```

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```
*/
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/*
```

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*/
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Found in path(s):

```
* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/tools/json/JSONReader.java
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 * Metrics provides out-of-the-box support for report backends like JMX,
 * Graphite, Ganglia, or plain HTTP. See Metrics documentation for
 * more details.
 *
 * @see MetricsCollector
 */
```

Found in path(s):

```
* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-
jar/com/rabbitmq/client/impl/StandardMetricsCollector.java
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```
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jar/com/rabbitmq/client/impl/VariableLinkedBlockingQueue.java
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* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-
jar/com/rabbitmq/client/DefaultSocketConfigurator.java
```

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* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-
jar/com/rabbitmq/client/impl/MethodArgumentReader.java
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* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-
jar/com/rabbitmq/client/ReturnListener.java
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* /opt/cola/permits/1643774401_1683548600.4088016/0/amqp-client-5-14-2-sources-
jar/com/rabbitmq/client/SocketConfigurator.java
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jar/com/rabbitmq/client/impl/nio/SslEngineFrameBuilder.java  
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jar/com/rabbitmq/client/RecoveryListener.java  
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jar/com/rabbitmq/client/ConsumerCancelledException.java  
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jar/com/rabbitmq/client/impl/DefaultExceptionHandler.java  
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\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
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jar/com/rabbitmq/client/Return.java  
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jar/com/rabbitmq/client/ExceptionHandler.java  
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jar/com/rabbitmq/client/impl/recovery/RecordedQueueBinding.java  
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\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/utility/SensibleClone.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/AMQConnection.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/DefaultSaslConfig.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/ClientVersion.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/nio/SslEngineByteBufferOutputStream.java  
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jar/com/rabbitmq/client/impl/ContentHeaderPropertyWriter.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/MapRpcServer.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/Version.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/UnroutableRpcRequestException.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-

jar/com/rabbitmq/client/impl/StrictExceptionHandler.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/Channel.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/SocketFrameHandlerFactory.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/ContentHeader.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/MetricsCollector.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/PossibleAuthenticationFailureException.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/ConsumerWorkService.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/NetworkConnection.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/RecoveryAwareChannelN.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/ContentHeaderPropertyReader.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/AMQChannel.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/AMQContentHeader.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/MessageProperties.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/tools/json/JSONUtil.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/utility/IntAllocator.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/nio/NioParams.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/TopologyRecoveryException.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/DnsRecordIpAddressResolver.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/Recoverable.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/JDKSaslConfig.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
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\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/ChannelManager.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/ValueWriter.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/UnexpectedMethodError.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-

jar/com/rabbitmq/client/ProtocolVersionMismatchException.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/CRDemoMechanism.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/AutorecoveringChannel.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/SetQueue.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/ExternalMechanism.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/RecordedConsumer.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/ShutdownNotifierComponent.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/UnknownChannelException.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/RecoveryCanBeginListener.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/RpcClient.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/RecordedExchangeBinding.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/SocketFrameHandler.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/RecoveryDelayHandler.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/PlainMechanism.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/SocketChannelConfigurator.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/tools/jsonrpc/JsonRpcClient.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/MalformedFrameException.java  
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jar/com/rabbitmq/client/NoOpMetricsCollector.java  
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jar/com/rabbitmq/tools/jsonrpc/ParameterDescription.java  
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jar/com/rabbitmq/client/impl/ConsumerDispatcher.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/RecoveryAwareAMQConnection.java  
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jar/com/rabbitmq/client/StringRpcServer.java  
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jar/com/rabbitmq/client/ConnectionFactory.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/RecordedBinding.java  
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jar/com/rabbitmq/client/impl/HeartbeatSender.java  
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jar/com/rabbitmq/client/impl/AbstractMetricsCollector.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/RecoveryAwareAMQConnectionFactory.java  
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jar/com/rabbitmq/client/Method.java  
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jar/com/rabbitmq/client/impl/AMQBasicProperties.java  
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jar/com/rabbitmq/client/impl/nio/FrameBuilder.java  
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jar/com/rabbitmq/client/Connection.java  
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jar/com/rabbitmq/client/impl/nio/NioHelper.java  
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jar/com/rabbitmq/client/GetResponse.java  
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jar/com/rabbitmq/client/impl/nio/SocketChannelFrameHandler.java  
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jar/com/rabbitmq/client/impl/Frame.java  
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jar/com/rabbitmq/client/impl/recovery/AutorecoveringConnection.java  
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jar/com/rabbitmq/client/impl/recovery/RecordedQueue.java  
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jar/com/rabbitmq/client/SaslMechanism.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/nio/NioLoopContext.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/ConnectionParams.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/Consumer.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/ChannelN.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/CommandAssembler.java  
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jar/com/rabbitmq/utility/BlockingCell.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/AMQImpl.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/AlreadyClosedException.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-

jar/com/rabbitmq/client/SaslConfig.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/Command.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/utility/Utility.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/LongStringHelper.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/ConfirmListener.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/MethodArgumentWriter.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/DnsSrvRecordAddressResolver.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/QueueRecoveryListener.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/nio/WriteRequest.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/RecoveryAwareChannelManager.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/utility/BlockingValueOrException.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/nio/SelectorHolder.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/BasicProperties.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/tools/jsonrpc/JsonRpcServer.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/UnexpectedFrameError.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/recovery/RecordedEntity.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/tools/jsonrpc/JsonRpcException.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/ShutdownListener.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/ShutdownNotifier.java  
\* /opt/cola/permits/1643774401\_1683548600.4088016/0/amqp-client-5-14-2-sources-  
jar/com/rabbitmq/client/impl/TruncatedInputStream.java

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## 1.712 sendgrid 4.9.3

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## 1.713 hibernate-commons-annotations

### 5.1.2.Final

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<one line to give the library's name and a brief idea of what it does.>  
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```

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```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the  
library `Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

That's all there is to it!

# 1.714 source-map 0.6.1

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# 1.715 maven-shared-i-o-api 1.1

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```
/*
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 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing,
 * software distributed under the License is distributed on an
 * "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY
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 * specific language governing permissions and limitations
 * under the License.
 */
```

Found in path(s):

```
* /opt/cola/permits/1004913779_1655980983.8663976/0/maven-shared-io-1-1-sources-
jar/org/apache/maven/shared/io/scan/InclusionScanException.java
* /opt/cola/permits/1004913779_1655980983.8663976/0/maven-shared-io-1-1-sources-
jar/org/apache/maven/shared/io/scan/mapping/SuffixMapping.java
* /opt/cola/permits/1004913779_1655980983.8663976/0/maven-shared-io-1-1-sources-
jar/org/apache/maven/shared/io/scan/mapping/SingleTargetMapping.java
* /opt/cola/permits/1004913779_1655980983.8663976/0/maven-shared-io-1-1-sources-
jar/org/apache/maven/shared/io/scan/AbstractResourceInclusionScanner.java
* /opt/cola/permits/1004913779_1655980983.8663976/0/maven-shared-io-1-1-sources-
jar/org/apache/maven/shared/io/location/URLLocation.java
* /opt/cola/permits/1004913779_1655980983.8663976/0/maven-shared-io-1-1-sources-
jar/org/apache/maven/shared/io/location/ArtifactLocation.java
* /opt/cola/permits/1004913779_1655980983.8663976/0/maven-shared-io-1-1-sources-
jar/org/apache/maven/shared/io/location/ArtifactLocatorStrategy.java
* /opt/cola/permits/1004913779_1655980983.8663976/0/maven-shared-io-1-1-sources-
jar/org/apache/maven/shared/io/logging/MessageSink.java
* /opt/cola/permits/1004913779_1655980983.8663976/0/maven-shared-io-1-1-sources-
jar/org/apache/maven/shared/io/logging/DefaultMessageHolder.java
* /opt/cola/permits/1004913779_1655980983.8663976/0/maven-shared-io-1-1-sources-
jar/org/apache/maven/shared/io/logging/MojoLogSink.java
* /opt/cola/permits/1004913779_1655980983.8663976/0/maven-shared-io-1-1-sources-
jar/org/apache/maven/shared/io/location/Location.java
```

\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/location/FileLocatorStrategy.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/logging/MessageHolder.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/location/Locator.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/scan/ResourceInclusionScanner.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/download/DefaultDownloadManager.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/scan/SimpleResourceInclusionScanner.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/logging/PlexusLoggerSink.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/scan/StaleResourceScanner.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/logging/MessageLevels.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/location/LocatorStrategy.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/location/FileLocation.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/logging/MultiChannelMessageHolder.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/scan/mapping/SourceMapping.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/download/DownloadFailedException.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/download/DownloadManager.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/location/URLLocatorStrategy.java  
\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/org/apache/maven/shared/io/location/ClasspathResourceLocatorStrategy.java

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Found in path(s):

\* /opt/cola/permits/1004913779\_1655980983.8663976/0/maven-shared-io-1-1-sources-jar/META-INF/plexus/components.xml

# 1.716 spring-boot-configuration-processor

## 2.7.11

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# 1.717 fraction.js 4.2.0

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## 1.718 jest-resolve-dependencies 28.1.3

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## 1.719 @types/node 17.0.45

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## 1.741 classgraph 4.8.143

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## 1.742 execa 6.1.0

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# 1.743 antlr 4.7.1

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 */

/** ANTLR tool checks output templates are compatible with tool code generation.
 * For now, a simple string match used on x.y of x.y.z scheme.
 * Must match Tool.VERSION during load to templates.
```

```

*
* REQUIRED.
*/

javascriptTypeInitMap ::= [
  "bool":"false",
  "int":"0",
  "float":"0.0",
  "str": "",
  default:"{}" // anything other than a primitive type is an object
]

// args must be <object-model-object>, <fields-resulting-in-STs>

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
var antlr4 = require('antlr4/index');
<if(file.genListener)>
var <file.grammarName>Listener = require('./<file.grammarName>Listener').<file.grammarName>Listener;
<endif>
<if(file.genVisitor)>
var <file.grammarName>Visitor = require('./<file.grammarName>Visitor').<file.grammarName>Visitor;
<endif>

<namedActions.header>
<parser>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
var antlr4 = require('antlr4/index');

// This class defines a complete listener for a parse tree produced by <file.parserName>.
function <file.grammarName>Listener() {
  antlr4.tree.ParseTreeListener.call(this);
  return this;
}

<file.grammarName>Listener.prototype = Object.create(antlr4.tree.ParseTreeListener.prototype);
<file.grammarName>Listener.prototype.constructor = <file.grammarName>Listener;

<file.listenerNames>:{Iname |
// Enter a parse tree produced by <file.parserName>#<Iname>.
<file.grammarName>Listener.prototype.enter<Iname; format="cap"> = function(ctx) {
\};

// Exit a parse tree produced by <file.parserName>#<Iname>.
<file.grammarName>Listener.prototype.exit<Iname; format="cap"> = function(ctx) {

```

```

\});

}; separator="\n">

exports.<file.grammarName>Listener = <file.grammarName>Listener;
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
var antlr4 = require('antlr4/index');

// This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

function <file.grammarName>Visitor() {
  antlr4.tree.ParseTreeVisitor.call(this);
  return this;
}

<file.grammarName>Visitor.prototype = Object.create(antlr4.tree.ParseTreeVisitor.prototype);
<file.grammarName>Visitor.prototype.constructor = <file.grammarName>Visitor;

<file.visitorNames: {Iname |
// Visit a parse tree produced by <file.parserName>#<Iname>.
<file.grammarName>Visitor.prototype.visit<Iname; format="cap"> = function(ctx) {
  return this.visitChildren(ctx);
}
\});

}; separator="\n">

exports.<file.grammarName>Visitor = <file.grammarName>Visitor;
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
// jshint ignore: start
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<if(superClass)>
var <superClass> = require('./<superClass>').<superClass>;
<endif>

var grammarFileName = "<parser.grammarFileName; format="java-escape">";

<atn>

```

```

var atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

var decisionsToDFA = atn.decisionToState.map( function(ds, index) { return new antlr4.dfa.DFA(ds, index); });

var sharedContextCache = new antlr4.PredictionContextCache();

var literalNames = [ <parser.literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];

var symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];

var ruleNames = [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ];

function <parser.name> (input) {
  <superClass; null="antlr4.Parser">.call(this, input);
  this._interp = new antlr4.atn.ParserATNSimulator(this, atn, decisionsToDFA, sharedContextCache);
  this.ruleNames = ruleNames;
  this.literalNames = literalNames;
  this.symbolicNames = symbolicNames;
  <namedActions.members>
  return this;
}

<parser.name>.prototype = Object.create(<superClass; null="antlr4.Parser">.prototype);
<parser.name>.prototype.constructor = <parser.name>;

Object.defineProperty(<parser.name>.prototype, "atn", {
  get : function() {
    return atn;
  }
});

<parser.name>.EOF = antlr4.Token.EOF;
<if(parser.tokens)>
<parser.tokens:{k | <parser.name>.<k> = <parser.tokens.(k)>;}; separator="\n", wrap, anchor>
<endif>

<parser.rules:{r | <parser.name>.RULE_<r.name> = <r.index>;}; separator="\n", wrap, anchor>

<funcs; separator="\n">

<if(sempredFuncs)>
<parser.name>.prototype.sempred = function(localctx, ruleIndex, predIndex) {
  switch(ruleIndex) {
    <parser.sempredFuncs.values:{f | case <f.ruleIndex>:
  return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
  default:
    throw "No predicate with index:" + ruleIndex;
  }
}

```

```

};

<sempredFuncs.values; separator="\n">
<endif>

exports.<parser.name> = <parser.name>;

>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
<lexer.name>.prototype.action = function(localctx, ruleIndex, actionIndex) {
  switch (ruleIndex) {
    <recog.actionFuncs.values:{f}
  case <f.ruleIndex>:
    this.<f.name>_action(localctx, actionIndex);
    break;}; separator="\n">
  default:
    throw "No registered action for:" + ruleIndex;
  }
};

<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
<lexer.name>.prototype.sempred = function(localctx, ruleIndex, predIndex) {
  switch (ruleIndex) {
    <recog.sempredFuncs.values:{f} case <f.ruleIndex>:
  return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
  default:
    throw "No registered predicate for:" + ruleIndex;
  }
};

<sempredFuncs.values; separator="\n">
<endif>
>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

<lexer.name>.prototype.<r.name>_action = function(localctx , actionIndex) {
  switch (actionIndex) {
    <actions:{index|
  case <index>:

```

```

<actions.(index)>
break;}; separator="\n">
default:
  throw "No registered action for:" + actionIndex;
}
};
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
<if (r.factory.g.lexer)><lexer.name><else><parser.name><endif>.prototype.<r.name>_sempred = function(localctx,
predIndex) {
  switch(predIndex) {
    <actions:{index| case <index>:
return <actions.(index)>;}; separator="\n">
    default:
      throw "No predicate with index:" + predIndex;
  }
};
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<! Define fields of this parser to export the context classes !>
<parser.name>.<currentRule.ctxType> = <currentRule.ctxType>;

<parser.name>.prototype.<currentRule.name> = function(<currentRule.args:{a | <a.name>}; separator=", ">) {

  var localctx = new <currentRule.ctxType>(this, this._ctx, this.state<currentRule.args:{a | , <a.name>}>>);
  this.enterRule(localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>);
  <namedActions.init>
  <locals; separator="\n">
  try {
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  <if(exceptions)>
  <exceptions; separator="\n">
  <else>
  } catch (re) {

```

```

if(re instanceof antlr4.error.RecognitionException) {
    localctx.exception = re;
    this._errHandler.reportError(this, re);
    this._errHandler.recover(this, re);
} else {
    throw re;
}
}<endif> finally {
    <finallyAction>
    this.exitRule();
}
return localctx;
};

```

>>

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=

```

<<

```

<ruleCtx>

```

```

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

```

```

<parser.name>.prototype.<currentRule.name> = function(_p<if(currentRule.args)>, <args:{a | , <a>}><endif>) {

```

```

    if(_p===undefined) {

```

```

        _p = 0;

```

```

    }

```

```

    var _parentctx = this._ctx;

```

```

    var _parentState = this.state;

```

```

    var localctx = new <currentRule.ctxType>(this, this._ctx, _parentState<args:{a | , <a.name>}>);

```

```

    var _prevctx = localctx;

```

```

    var _startState = <currentRule.startState>;

```

```

    this.enterRecursionRule(localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p);

```

```

    <namedActions.init>

```

```

    <locals; separator="\n">

```

```

    try {

```

```

        <code>

```

```

        <postamble; separator="\n">

```

```

        <namedActions.after>

```

```

    } catch( error) {

```

```

        if(error instanceof antlr4.error.RecognitionException) {

```

```

            localctx.exception = error;

```

```

            this._errHandler.reportError(this, error);

```

```

            this._errHandler.recover(this, error);

```

```

        } else {

```

```

            throw error;

```

```

        }

```

```

    } finally {

```

```

    <finallyAction>
    this.unrollRecursionContexts(_parentctx)
  }
  return localctx;
};

```

>>

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(this, localctx);<endif>
this.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = this._input.LT(1);<endif>
<preamble; separator="\n">
switch(this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break; }; separator="\n">
default:
  <error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
switch (this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break; }; separator="\n">
default:
  break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<

```

```

this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble; separator="\n">
if(<expr>) {
  <alts; separator="\n">
}
<!else if ( !(<followExpr>) ) <error!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble; separator="\n">
while(<loopExpr>) {
  <alts; separator="\n">
  this.state = <choice.loopBackStateNumber>;
  this._errHandler.sync(this);
  <iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);
<preamble; separator="\n">
do {
  <alts; separator="\n">
  this.state = <choice.stateNumber>; <! loopback/exit decision !>
  this._errHandler.sync(this);
  <iteration>
} while(<loopExpr>);
>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
var la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
switch(la_) {
<alts:{ alt |
case <i>:
  <alt>
  break;
}; separator="\n">
}

```

>>

```
OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
<alts:{ alt |
if(la_===<i><if(!choice.ast.greedy)>+1<endif>) {
  <alt>
}; separator="\n" } else ">
}
>>
```

```
StarBlock(choice, alts, sync, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx)
while(_alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER) {
  if(_alt===1<if(!choice.ast.greedy)>+1<endif>) {
    <iteration>
    <alts> <! should only be one !>
  }
  this.state = <choice.loopBackStateNumber>;
  this._errHandler.sync(this);
  _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
}
>>
```

```
PlusBlock(choice, alts, error) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);
var _alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
  switch (_alt) {
    <alts:{ alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
break;}; separator="\n">
  default:
    <error>
  }
  this.state = <choice.loopBackStateNumber>; <! loopback/exit decision !>
  this._errHandler.sync(this);
  _alt = this._interp.adaptivePredict(this._input,<choice.decision>, this._ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER );
>>
```

```

Sync(s) ::= "sync(<s.expecting.name>)"

ThrowNoViableAlt(t) ::= "throw new antlr4.error.NoViableAltException(this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes))>><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Javascript language spec - shift operators are 32 bits long max
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x1f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> && ((1 \<< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<< <offsetShiftType(ttype, bits.shift)>)}; separator=" | ">)) !== 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><parser.name>.<shiftAmount> - <offset><else><parser.name>.<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>===<parser.name>.<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case <parser.name>.<t>}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
this.state = <r.stateNumber>;
<if(r.labels)><r.labels:[1 | <labelref(l)> =
]><endif>this.<r.name><(if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif><argExprsChu
nks>);
>>

```

```

MatchToken(m) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{1 | <labelref(1)> = }><endif>this.match(<parser.name>.<m.name>);
>>

```

```

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

```

```

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

```

```

CommonSetStuff(m, expr, capture, invert) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{1 | <labelref(1)> = }>this._input.LT(1);<endif>
<capture>
<if(invert)>if(<m.varName>\<=0 || <expr>)<else>if(!(<expr>))<endif> {
  <if(m.labels)><m.labels:{1 | <labelref(1)> = }><endif>this._errHandler.recoverInline(this);
}
else {
  this._errHandler.reportMatch(this);
  this.consume();
}
>>

```

```

Wildcard(w) ::= <<
this.state = <w.stateNumber>;
<if(w.labels)><w.labels:{1 | <labelref(1)> = }><endif>this.matchWildcard();
>>

```

```

// ACTION STUFF

```

```

Action(a, foo, chunks) ::= "<chunks>"

```

```

ArgAction(a, chunks) ::= "<chunks>"

```

```

SemPred(p, chunks, failChunks) ::= <<
this.state = <p.stateNumber>;
if (!( <chunks>)) {
  throw new antlr4.error.FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
}
>>

```

```

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>

```

```
// lexer actions are not associated with model objects
```

```
LexerSkipCommand() ::= "this.skip()"
LexerMoreCommand() ::= "this.more()"
LexerPopModeCommand() ::= "this.popMode()"
LexerTypeCommand(arg, grammar) ::= "this._type = <arg>"
LexerChannelCommand(arg, grammar) ::= "this._channel = <arg>"
LexerModeCommand(arg, grammar) ::= "this._mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "this.pushMode(<arg>)"
```

```
ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a) ::= "localctx.<a.name>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"
```

```
TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"
```

```
TokenPropertyRef_text(t) ::= "(<ctx(t)>.<t.label>===null ? null : <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : parseInt(<ctx(t)>.<t.label>.text))"
```

```
RulePropertyRef_start(r) ::= "(<ctx(r)>.<r.label>===null ? null : <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(<ctx(r)>.<r.label>===null ? null : <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(<ctx(r)>.<r.label>===null ? null : this._input.getText(new antlr4.Interval(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop)))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"
```

```
ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "this._input.getText(new antlr4.Interval(localctx.start, this._input.LT(-1)))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "this"
```

```
NonLocalAttrRef(s) ::= "getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"
```

```
AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.push(<labelref(a.label)>);"
```

```
TokenDecl(t) ::= "this.<t.name> = null; // <TokenLabelType()>"
```

```
TokenTypeDecl(t) ::= "var <t.name> = 0; // <TokenLabelType()> type"
```

```
TokenListDecl(t) ::= "this.<t.name> = []; // of <TokenLabelType()>s"
```

```
RuleContextDecl(r) ::= "this.<r.name> = null; // <r.ctxName>"
```

```
RuleContextListDecl(rdecl) ::= "this.<rdecl.name> = []; // of <rdecl.ctxName>s"
```

```
ContextTokenGetterDecl(t) ::= <<
```

```
<t.name> = function() {
```

```
    return this.getToken(<parser.name>.<t.name>, 0);
```

```
};
```

```
>>
```

```
// should never be called
```

```
ContextTokenListGetterDecl(t) ::= <<
```

```
def <t.name>_list(self):
```

```
    return self.getTokens(<parser.name>.<t.name>)
```

```
>>
```

```
ContextTokenListIndexedGetterDecl(t) ::= <<
```

```
<t.name> = function(i) {
```

```
    if(i===undefined) {
```

```
        i = null;
```

```
    }
```

```
    if(i===null) {
```

```
        return this.getTokens(<parser.name>.<t.name>);
```

```
    } else {
```

```
        return this.getToken(<parser.name>.<t.name>, i);
```

```
    }
```

```
};
```

```
>>
```

```
ContextRuleGetterDecl(r) ::= <<
```

```
<r.name> = function() {
```

```
    return this.getTypedRuleContext(<r.ctxName>,0);
```

```
};
```

```
>>
```

```
// should never be called
```

```
ContextRuleListGetterDecl(r) ::= <<
```

```
def <r.name>_list(self):
```

```
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
```

```
>>
```

```

ContextRuleListIndexedGetterDecl(r) ::= <<
<r.name> = function(i) {
  if(i===undefined) {
    i = null;
  }
  if(i===null) {
    return this.getTypedRuleContexts(<r.ctxName>);
  } else {
    return this.getTypedRuleContext(<r.ctxName>,i);
  }
};
>>

```

```

LexerRuleContext() ::= "RuleContext"

```

```

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */

```

```

RuleContextNameSuffix() ::= "Context"

```

```

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"

```

```

ImplicitRuleLabel(ruleName) ::= "_<ruleName>"

```

```

ImplicitSetLabel(id) ::= "_tset<id>"

```

```

ListLabelName(label) ::= "<label>"

```

```

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"

```

```

CaptureNextTokenType(d) ::= "<d.varName> = this._input.LA(1);"

```

```

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers) ::= <<

```

```

function <struct.name>(parser, parent, invokingState<struct.ctorAttrs:{a | , <a.name>}>) {

```

```

  if(parent===undefined) {

```

```

    parent = null;

```

```

  }

```

```

  if(invokingState===undefined || invokingState===null) {

```

```

    invokingState = -1;

```

```

  }

```

```

  <if(contextSuperClass)><contextSuperClass><else>antlr4.ParserRuleContext<endif>.call(this, parent,
invokingState);

```

```

  this.parser = parser;

```

```

  this.ruleIndex = <parser.name>.RULE_<struct.derivedFromName>;

```

```

  <attrs:{a | <a>}; separator="\n">

```

```

  <struct.ctorAttrs:{a | this.<a.name> = <a.name> || null;}; separator="\n">

```

```

  return this;

```

```

}

```

```

<struct.name>.prototype =

```

```

Object.create(<if(contextSuperClass)><contextSuperClass><else>antlr4.ParserRuleContext<endif>.prototype);

```

```

<struct.name>.prototype.constructor = <struct.name>;

```

```

<getters:{g | <struct.name>.prototype.<g>}; separator="\n\n">

<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
<struct.name>.prototype.copyFrom = function(ctx) {
<if(contextSuperClass)><contextSuperClass><else>antlr4.ParserRuleContext<endif>.prototype.copyFrom.call(this,
ctx);
  <struct.attrs:{a | this.<a.name> = ctx.<a.name>;}; separator="\n">
};
<endif>
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">

>>

```

```

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
function <struct.name>(parser, ctx) {
  <currentRule.name; format="cap">Context.call(this, parser);
  <attrs:{a | <a>;}; separator="\n">
  <currentRule.name; format="cap">Context.prototype.copyFrom.call(this, ctx);
  return this;
}

```

```

<struct.name>.prototype = Object.create(<currentRule.name; format="cap">Context.prototype);
<struct.name>.prototype.constructor = <struct.name>;

```

```

<! Define fields of this parser to export this struct/context class !>
<parser.name>.<struct.name> = <struct.name>;

```

```

<getters:{g | <struct.name>.prototype.<g>}; separator="\n\n">
<dispatchMethods; separator="\n">

>>

```

```

ListenerDispatchMethod(method) ::= <<
<struct.name>.prototype.<if(method.isEnter)>enter<else>exit<endif>Rule = function(listener) {
  if(listener instanceof <parser.grammarName>Listener ) {
    listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(this);
  }
};

>>

```

```

VisitorDispatchMethod(method) ::= <<
<struct.name>.prototype.accept = function(visitor) {
  if ( visitor instanceof <parser.grammarName>Visitor ) {
    return visitor.visit<struct.derivedFromName; format="cap">(this);
  } else {

```

```

    return visitor.visitChildren(this);
}
};

>>

AttributeDecl(d) ::= "this.<d.name> = <if(d.initValue)><d.initValue><else>null<endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "this.precpred(this._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
recRuleSetStopToken() ::= "this._ctx.stop = this._input.LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label) ::= <<
localctx = new <ctxName>Context(this, _parentctx, _parentState);
<if(label)>localctx.<label> = _prevctx;<endif>
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = new <currentAltLabel; format="cap">Context(this, new <ruleName; format="cap">Context(this,
_parentctx, _parentState));
<if(label)>
<if(isListLabel)>
localctx.<label>.push(_prevctx);
<else>
localctx.<label> = _prevctx;
<endif>
<endif>
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
localctx = new <ctxName>Context(this, localctx);
this._ctx = localctx;
_prevctx = localctx;
>>

recRuleSetPrevCtx() ::= <<
if(this._parseListeners!=null) {
    this.triggerExitRuleEvent();
}

```

```
_prevctx = localctx;
```

```
>>
```

```
LexerFile(lexerFile, lexer, namedActions) ::= <<  
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>  
var antlr4 = require('antlr4/index');
```

```
<namedActions.header>
```

```
<lexer>
```

```
>>
```

```
Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<  
<if(superClass)>  
var <superClass> = require('./<superClass>').<superClass>;  
<endif>
```

```
<atn>
```

```
var atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);
```

```
var decisionsToDFA = atn.decisionToState.map( function(ds, index) { return new antlr4.dfa.DFA(ds, index); });
```

```
function <lexer.name>(input) {  
  <if(superClass)><superClass><else>antlr4.Lexer<endif>.call(this, input);  
  this._interp = new antlr4.atn.LexerATNSimulator(this, atn, decisionsToDFA, new  
  antlr4.PredictionContextCache());  
  return this;  
}
```

```
<lexer.name>.prototype = Object.create(<if(superClass)><superClass><else>antlr4.Lexer<endif>.prototype);  
<lexer.name>.prototype.constructor = <lexer.name>;
```

```
Object.defineProperty(<lexer.name>.prototype, "atn", {  
  get : function() {  
    return atn;  
  }  
});
```

```
<lexer.name>.EOF = antlr4.Token.EOF;
```

```
<lexer.tokens: {k | <lexer.name>.<k> = <lexer.tokens.(k)>;}; separator="\n", wrap, anchor>
```

```
<if(lexer.channels)>
```

```
<lexer.channels: {c | <lexer.name>.<c> = <lexer.channels.(c)>;}; separator="\n">
```

```
<endif>
```

```

<if(rest(lexer.modes))>
<rest(lexer.modes):{m| <lexer.name>.<m> = <i>;}; separator="\n">

<endif>
<lexer.name>.prototype.channelNames = [ "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>,
<lexer.channels:{c| "<c>"}; separator=", ", wrap, anchor><endif> ];

<lexer.name>.prototype.modeNames = [ <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor> ];

<lexer.name>.prototype.literalNames = [ <lexer.literalNames:{t| <t>}; null="null", separator=", ", wrap, anchor> ];

<lexer.name>.prototype.symbolicNames = [ <lexer.symbolicNames:{t| <t>}; null="null", separator=", ", wrap,
anchor> ];

<lexer.name>.prototype.ruleNames = [ <lexer.ruleNames:{r| "<r>"}; separator=", ", wrap, anchor> ];

<lexer.name>.prototype.grammarFileName = "<lexer.grammarFileName>";

<namedActions.members>

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>

exports.<lexer.name> = <lexer.name>;

>>

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

var serializedATN = ["<model.serialized; wrap={",<n> " }>"].join("");

>>

/** Using a type to init value map, try to init a type; if not in table
* must be an object, default value is "null".
*/
initValue(typeName) ::= <<
<javacriptTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".js"

Found in path(s):
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/tool/templates/codegen/JavaScript/JavaScript.stg
No license file was found, but licenses were detected in source scan.

/*

```

```

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*/

/** How to generate rules derived from left-recursive rules.
* These rely on recRuleAltPredicate(),
* recRuleArg(), recRuleSetResultAction(), recRuleSetReturnAction()
* templates in main language.stg
*/
group LeftRecursiveRules;

recRule(ruleName, argName, primaryAlts, opAlts, setResultAction,
        userRetvals, leftRecursiveRuleRefLabels) ::=
<<
<ruleName><if(userRetvals)> returns [<userRetvals>]<endif>
: ( { } <primaryAlts:{alt | <alt.altText> }; separator="\n    | ">
)
(
    <opAlts; separator="\n    | ">
)*
;
>>

```

```
recRuleAlt(alt, precOption, opPrec, pred) ::= <<
{<pred>}?{\<precOption>=<opPrec>}\> <alt.altText>
>>
```

Found in path(s):

```
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/tool/templates/LeftRecursiveRules.stg
```

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*/
```

```
atn(startState, states, edges, rankdir, decisionRanks, useBox) ::= <<
digraph ATN {
rankdir=LR;
<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>
```

```

dfa(name, startState, states, edges, rankdir, decisionRanks, useBox) ::= <<
digraph <name> {
<if(rankdir)>rankdir=<rankdir>;<endif>
<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>

decision-rank(states) ::= <<
{rank=same; rankdir=TB; <states:{s | s<s>}; separator="; ">}
>>

edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>:p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

action-edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>:p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

epsilon-edge(src,label,target,arrowhead,transitionIndex,loopback=false) ::= <<
<src><if(transitionIndex)>:p<transitionIndex><endif> -> <target> [fontname="Times-Italic",
label="&epsilon;"<if(loopback)>, style="dashed"<endif>];
>>

state(state, label, name, transitions) ::= <%
<name>[fontsize=11,
label="
  <! rest(transition) tests for decision states: these nodes have a non-empty set of transitions after the first one. !>
  <if(rest(transitions))>
    {
      <! Label on the left side of the record node. !>
      <label>
      |
      <! Named ports in order on right side of record node, no display text. !>
      {<transitions:{t|\<p<i0>>}; separator="|">}}
    <else>
      <label>
    <endif>
    "
  <if(rest(transitions))>
    , shape=record, fixedsize=false
  <else>
    , shape=circle, fixedsize=true, width=.55
  <endif>
"

```

```

, peripheries=1];
%>

stopstate(name,label,actionIndex,useBox) ::= <<
<name>[fontsize=11, label="<label><if(actionIndex)>,\naction:<actionIndex><endif>",
<if(useBox)>shape=polygon,sides=4,peripheries=2,fixedsized=false<else>shape=doublecircle, fixedsized=true,
width=.6<endif>];
>>

```

Found in path(s):

```

* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/tool/templates/dot/graphs.stg

```

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```

/*

```

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```

*/

```

```

/*

```

This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/\*stg files, according to the chosen locale.

This file contains the default format ANTLR uses.

```

*/

```

```

location(file, line, column) ::= "<file>(<line>,<column>)"

```

```
message(id, text) ::= "error <id> : <text>"
```

```
report(location, message, type) ::= "<location> : <type> <message.id> : <message.text>"
```

```
wantsSingleLineMessage() ::= "true"
```

Found in path(s):

```
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/templates/messages/formats/vs2005.stg
```

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```
*/
```

```
/*
```

This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/\*stg files, according to the chosen locale.

This file contains the format that mimicks GCC output.

```
*/
```

```
location(file, line, column) ::= "<file>:<line>:<column>:"
```

```
message(id, text) ::= "<text> [error <id>]"
```

```
report(location, message, type) ::= "<location> <type>: <message>"
```

```
wantsSingleLineMessage() ::= "true"
```

Found in path(s):

```
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/templates/messages/formats/gnu.stg
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```

```
*/
```

```
lexer grammar ActionSplitter;
```

```
options { filter=true; }
```

```
@header {
```

```
package org.antlr.v4.parse;
```

```
import org.antlr.v4.tool.*;
```

```
import org.antlr.v4.tool.ast.*;
```

```

}

@members {
ActionSplitterListener delegate;

public ActionSplitter(CharStream input, ActionSplitterListener delegate) {
    this(input, new RecognizerSharedState());
    this.delegate = delegate;
}

/** force filtering (and return tokens). triggers all above actions. */
public List<Token> getActionTokens() {
    List<Token> chunks = new ArrayList<Token>();
    Token t = nextToken();
    while ( t.getType()!=Token.EOF ) {
        chunks.add(t);
        t = nextToken();
    }
    return chunks;
}

private boolean isIDStartChar(int c) {
    return c == '_' || Character.isLetter(c);
}
}

// ignore comments right away

COMMENT
: '/' ( options {greedy=false;} : . )* '/' {delegate.text($text);}
;

LINE_COMMENT
: '/' ~('\n'|\r)* '\r'? '\n' {delegate.text($text);}
;

SET_NONLOCAL_ATTR
: '$' x=ID ':' y=ID WS? '=' expr=ATTR_VALUE_EXPR ';'
{
    delegate.setNonLocalAttr($text, $x, $y, $expr);
}
;

NONLOCAL_ATTR
: '$' x=ID ':' y=ID {delegate.nonLocalAttr($text, $x, $y);}
;

QUALIFIED_ATTR

```

```
: '$' x=ID '!' y=ID {input.LA(1)!='('}? {delegate.qualifiedAttr($text, $x, $y);}
```

```
;
```

```
SET_ATTR
```

```
: '$' x=ID WS? '=' expr=ATTR_VALUE_EXPR ';
```

```
{
```

```
  delegate.setAttr($text, $x, $expr);
```

```
}
```

```
;
```

```
ATTR
```

```
: '$' x=ID {delegate.attr($text, $x);}
```

```
;
```

```
// Anything else is just random text
```

```
TEXT
```

```
@init {StringBuilder buf = new StringBuilder();}
```

```
@after {delegate.text(buf.toString());}
```

```
: ( c=~(\\| '$) {buf.append((char)$c);}
```

```
  | '\\$' {buf.append('$');}
```

```
  | '\\ c=~('$) {buf.append(\\').append((char)$c);}
```

```
  | {!isIDStartChar(input.LA(2))}? => '$' {buf.append('$');}
```

```
)+
```

```
;
```

```
fragment
```

```
ID : ('a'..'z'|'A'..'Z'|'_') ('a'..'z'|'A'..'Z'|'0'..'9'|'_')*
```

```
;
```

```
/** Don't allow an = as first char to prevent $x == 3; kind of stuff. */
```

```
fragment
```

```
ATTR_VALUE_EXPR
```

```
: ~'=' (~';')*
```

```
;
```

```
fragment
```

```
WS : ('\\t'|'\\n'|'\\r')+;
```

```
;
```

```
Found in path(s):
```

```
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/ActionSplitter.g
```

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```
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```

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```

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```

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 \*/

```
javaTypeInitMap ::= [
  "int": "0",
  "long": "0",
  "float": "0.0f",
  "double": "0.0",
  "boolean": "false",
  "byte": "0",
  "short": "0",
  "char": "0",
  default: "null" // anything other than a primitive type is an object
]
```

// args must be <object-model-object>, <fields-resulting-in-STs>

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<namedActions.header>
import org.antlr.v4.runtime.atn.*;
import org.antlr.v4.runtime.dfa.DFA;
import org.antlr.v4.runtime.*;
import org.antlr.v4.runtime.misc.*;
import org.antlr.v4.runtime.tree.*;
import java.util.List;
import java.util.Iterator;
import java.util.ArrayList;

<parser>
>>
```

```
ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
```

```

<header>
import org.antlr.v4.runtime.tree.ParseTreeListener;

/**
 * This interface defines a complete listener for a parse tree produced by
 * { @link <file.parserName> }.
 */
public interface <file.grammarName>Listener extends ParseTreeListener {
    <file.listenerNames: {Iname |
/**
<if(file.listenerLabelRuleNames.(Iname))>
 * Enter a parse tree produced by the { @code <Iname>}
 * labeled alternative in { @link <file.parserName>#<file.listenerLabelRuleNames.(Iname)>}.
<else>
 * Enter a parse tree produced by { @link <file.parserName>#<Iname>}.
<endif>
 * @param ctx the parse tree
 */
void enter<Iname; format="cap">(<file.parserName>.<Iname; format="cap">Context ctx);
/**
<if(file.listenerLabelRuleNames.(Iname))>
 * Exit a parse tree produced by the { @code <Iname>}
 * labeled alternative in { @link <file.parserName>#<file.listenerLabelRuleNames.(Iname)>}.
<else>
 * Exit a parse tree produced by { @link <file.parserName>#<Iname>}.
<endif>
 * @param ctx the parse tree
 */
void exit<Iname; format="cap">(<file.parserName>.<Iname; format="cap">Context ctx);}; separator="\n">
}
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>

```

```

import org.antlr.v4.runtime.ParserRuleContext;
import org.antlr.v4.runtime.tree.ErrorNode;
import org.antlr.v4.runtime.tree.TerminalNode;

```

```

/**
 * This class provides an empty implementation of { @link <file.grammarName>Listener },
 * which can be extended to create a listener which only needs to handle a subset
 * of the available methods.
 */

```

```

public class <file.grammarName>BaseListener implements <file.grammarName>Listener {
    <file.listenerNames: {lname |
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \}
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \};
separator="\n">

/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void enterEveryRule(ParserRuleContext ctx) { }
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void exitEveryRule(ParserRuleContext ctx) { }
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void visitTerminal(TerminalNode node) { }
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void visitErrorNode(ErrorNode node) { }
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>

```

```

<header>
import org.antlr.v4.runtime.tree.ParseTreeVisitor;

/**
 * This interface defines a complete generic visitor for a parse tree produced
 * by { @link <file.parserName> }.
 *
 * @param \<T> The return type of the visit operation. Use { @link Void } for
 * operations with no return type.
 */
public interface <file.grammarName>Visitor\<T> extends ParseTreeVisitor\<T> {
    <file.visitorNames:{ lname |
/**
<if(file.visitorLabelRuleNames.(lname))>
 * Visit a parse tree produced by the { @code <lname>\}
 * labeled alternative in { @link <file.parserName>#<file.visitorLabelRuleNames.(lname)>\}.
<else>
 * Visit a parse tree produced by { @link <file.parserName>#<lname>\}.
<endif>
 * @param ctx the parse tree
 * @return the visitor result
 */
T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);}; separator="\n"
}
>>

```

```

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.AbstractParseTreeVisitor;

/**
 * This class provides an empty implementation of { @link <file.grammarName>Visitor },
 * which can be extended to create a visitor which only needs to handle a subset
 * of the available methods.
 *
 * @param \<T> The return type of the visit operation. Use { @link Void } for
 * operations with no return type.
 */
public class <file.grammarName>BaseVisitor\<T> extends AbstractParseTreeVisitor\<T> implements
<file.grammarName>Visitor\<T> {
    <file.visitorNames:{ lname |
/**
 * { @inheritDoc\}
 *

```

```

* \<p>The default implementation returns the result of calling
* { @link #visitChildren\} on { @code ctx\}.\</p>
*/
@Override public T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { return
visitChildren(ctx); \} }; separator="\n">
}
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})
public class <parser.name> extends <superClass; null="Parser"> {
static { RuntimeMetaData.checkVersion("<file.ANTLRVersion>", RuntimeMetaData.VERSION); }

protected static final DFA[] _decisionToDFA;
protected static final PredictionContextCache _sharedContextCache =
new PredictionContextCache();
<if(parser.tokens)>
public static final int
<parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>
public static final int
<parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
public static final String[] ruleNames = {
<parser.ruleNames:{r | "<r">}; separator=", ", wrap, anchor>
};

<vocabulary(parser.literalNames, parser.symbolicNames)>

@Override
public String getGrammarFileName() { return "<parser.grammarFileName; format="java-escape">"; }

@Override
public String[] getRuleNames() { return ruleNames; }

@Override
public String getSerializedATN() { return _serializedATN; }

@Override
public ATN getATN() { return _ATN; }

```

```

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <parser.sempredFuncs.values:{f}
case <f.ruleIndex>:
return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
    }
    return true;
    }
<sempredFuncs.values; separator="\n">
<endif>

<atn>
}
>>

vocabulary(literalNames, symbolicNames) ::= <<
private static final String[] _LITERAL_NAMES = {
    <literalNames:{t | <t>}; null="null", separator=" ", wrap, anchor>
};
private static final String[] _SYMBOLIC_NAMES = {
    <symbolicNames:{t | <t>}; null="null", separator=" ", wrap, anchor>
};
public static final Vocabulary VOCABULARY = new VocabularyImpl(_LITERAL_NAMES,
    _SYMBOLIC_NAMES);

/**
 * @deprecated Use { @link #VOCABULARY } instead.
 */
@Deprecated
public static final String[] tokenNames;
static {
    tokenNames = new String[_SYMBOLIC_NAMES.length];
    for (int i = 0; i < tokenNames.length; i++) {
        tokenNames[i] = VOCABULARY.getLiteralName(i);
        if (tokenNames[i] == null) {
            tokenNames[i] = VOCABULARY.getSymbolicName(i);
        }

        if (tokenNames[i] == null) {
            tokenNames[i] = "\<INVALID>";
        }
    }
}
}

```

```

@Override
@Deprecated
public String[] getTokenNames() {
    return tokenNames;
}

```

```

@Override

```

```

public Vocabulary getVocabulary() {
    return VOCABULARY;
}
>>

```

```

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<

```

```

<if(actionFuncs)>

```

```

@Override

```

```

public void action(RuleContext _localctx, int ruleIndex, int actionIndex) {
    switch (ruleIndex) {
        <recog.actionFuncs.values:{f}
    case <f.ruleIndex>:
        <f.name>_action((<f.ctxType>)_localctx, actionIndex);
        break;}; separator="\n"
    }
}

```

```

<actionFuncs.values; separator="\n">

```

```

<endif>

```

```

<if(sempredFuncs)>

```

```

@Override

```

```

public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <recog.sempredFuncs.values:{f}
    case <f.ruleIndex>:
        return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n"
    }
    return true;
}

```

```

<sempredFuncs.values; separator="\n">

```

```

<endif>

```

```

>>

```

```

parser_ctor(p) ::= <<

```

```

public <p.name>(TokenStream input) {
    super(input);
    _interp = new ParserATNSimulator(this,_ATN,_decisionToDFA,_sharedContextCache);
}

```

```

>>

```

```

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

```

RuleActionFunction(r, actions) ::= <<
private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {
switch (actionIndex) {
<actions:{index|
case <index>:
<actions.(index)>
break;}; separator="\n">
}
}
>>

```

```

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

```

RuleSempredFunction(r, actions) ::= <<
private boolean <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
switch (predIndex) {
<actions:{index|
case <index>:
return <actions.(index)>;}; separator="\n">
}
return true;
}
>>

```

```

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

```

```

<ruleCtx>

```

```

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>

```

```

<currentRule.name><(<args; separator=",">) throws RecognitionException {

```

```

<currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, getState())<currentRule.args:{a | ,
<a.name>}>>;

```

```

enterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);

```

```

<namedActions.init>

```

```

<locals; separator="\n">

```

```

try {

```

```

<if(currentRule.hasLookaheadBlock)>

```

```

int _alt;

```

```

<endif>

```

```

<code>

```

```

<postamble; separator="\n">

```

```

<namedActions.after>

```

```

}
<if(exceptions)>
<exceptions; separator="\n">
<else>
catch (RecognitionException re) {
    _localctx.exception = re;
    _errHandler.reportError(this, re);
    _errHandler.recover(this, re);
}
<endif>
finally {
    <finallyAction>
    exitRule();
}
return _localctx;
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.name><(<args; separator=", ">) throws RecognitionException {
    return <currentRule.name>(0<currentRule.args:{a | , <a.name>}>);
}

```

```

private <currentRule.ctxType> <currentRule.name>(int _p<args:{a | , <a>}>) throws RecognitionException {
    ParserRuleContext _parentctx = _ctx;
    int _parentState = getState();
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | ,
<a.name>}>);
    <currentRule.ctxType> _prevctx = _localctx;
    int _startState = <currentRule.startState>;
    enterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
    <namedActions.init>
    <locals; separator="\n">
    try {
    <if(currentRule.hasLookaheadBlock)>
        int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
    }
}

```

```

catch (RecognitionException re) {
    _localctx.exception = re;
    _errHandler.reportError(this, re);
    _errHandler.recover(this, re);
}
finally {
    <finallyAction>
    unrollRecursionContexts(_parentctx);
}
return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
{
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
}
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
<preamble; separator="\n">
switch (_input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
<error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
switch (_input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>

```

```

break;}; separator="\n">
default:
break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<preamble; separator="\n">
if (<expr>) {
<alts; separator="\n">
}
<!else if ( !(<followExpr>) ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<preamble; separator="\n">
while (<loopExpr>) {
<alts; separator="\n">
setState(<choice.loopBackStateNumber>);
_errHandler.sync(this);
<iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
_errHandler.sync(this);
<preamble; separator="\n">
do {
<alts; separator="\n">
setState(<choice.stateNumber>); <! loopback/exit decision !>
_errHandler.sync(this);
<iteration>
} while ( <loopExpr> );
>>

```

```
// LL(*) stuff
```

```

AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
<preamble; separator="\n">
switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {

```

```

<alts:{alt |
case <i>:
  <alt>
  break;}; separator="\n">
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {
<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
  break;}; separator="\n">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
while ( _alt!=<choice.exitAlt> && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER ) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
  <iteration>
  <alts> <! should only be one !>
}
setState(<choice.loopBackStateNumber>);
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
_errHandler.sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
  switch (_alt) {
  <alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
  break;}; separator="\n">
  default:
  <error>
  }
  setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
  _errHandler.sync(this);
}

```

```

_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER );
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>} ; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({ <offsetShift(s.varName, bits.shift)>})> && ((1L \<< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ ttype | (1L \<< <offsetShift(ttype, bits.shift)>)}); separator=" | ">)) != 0
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ ttype | <s.varName>==<ttype>} ; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{ t | case <t>}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
setState(<r.stateNumber>);
<if(r.labels)><r.labels:{1 | <labelref(l)> =
}><endif><r.name><(if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>
);
>>

```

```

MatchToken(m) ::= <<
setState(<m.stateNumber>);
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>match(<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
setState(<m.stateNumber>);
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>_input.LT(1);<endif>
<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>) ) {
  <if(m.labels)><m.labels:{1 | <labelref(l)> = (Token)}><endif>_errHandler.recoverInline(this);
}
else {
  if ( _input.LA(1)==Token.EOF ) matchedEOF = true;
  _errHandler.reportMatch(this);
  consume();
}
>>

Wildcard(w) ::= <<
setState(<w.stateNumber>);
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>);
if (!<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>

// lexer actions are not associated with model objects

```

```

LexerSkipCommand() ::= "skip();"
LexerMoreCommand() ::= "more();"
LexerPopModeCommand() ::= "popMode();"

LexerTypeCommand(arg, grammar) ::= "_type = <arg>";
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>";
LexerModeCommand(arg, grammar) ::= "_mode = <arg>";
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.name>"
LocalRef(a) ::= "_localctx.<a.name>"
RetValRef(a) ::= "_localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>";

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getText():null)"
TokenPropertyRef_type(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getType():0)"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getLine():0)"
TokenPropertyRef_pos(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getCharPositionInLine():0)"
TokenPropertyRef_channel(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getChannel():0)"
TokenPropertyRef_index(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getTokenIndex():0)"
TokenPropertyRef_int(t) ::= "<ctx(t)>.<t.label>!=null?Integer.valueOf(<ctx(t)>.<t.label>.getText()):0)"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label>!=null?<ctx(r)>.<r.label>.start():null)"
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label>!=null?<ctx(r)>.<r.label>.stop():null)"
RulePropertyRef_text(r) ::=
"<ctx(r)>.<r.label>!=null?_input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop):null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
ThisRulePropertyRef_text(r) ::= "_input.getText(_localctx.start, _input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "(<<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=

```

```

"((<s.ruleName; format=\\\"cap\\\">Context)getInvokingContext(<s.ruleIndex>)).<s.name> = <rhsChunks>);"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType()> <t.name>"
TokenTypeDecl(t) ::= "int <t.name>);"
TokenListDecl(t) ::= "List<Token> <t.name> = new ArrayList<Token>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.name>"
RuleContextListDecl(rdecl) ::= "List<<rdecl.ctxName>> <rdecl.name> = new ArrayList<<rdecl.ctxName>>()"

ContextTokenGetterDecl(t) ::=
    "public TerminalNode <t.name>() { return getToken(<parser.name>.<t.name>, 0); }"
ContextTokenListGetterDecl(t) ::=
    "public List<TerminalNode> <t.name>() { return getTokens(<parser.name>.<t.name>); }"
ContextTokenListIndexedGetterDecl(t) ::= <<
public TerminalNode <t.name>(int i) {
    return getToken(<parser.name>.<t.name>, i);
}
>>
ContextRuleGetterDecl(r) ::= <<
public <r.ctxName> <r.name>() {
    return getRuleContext(<r.ctxName>.class,0);
}
>>
ContextRuleListGetterDecl(r) ::= <<
public List<<r.ctxName>> <r.name>() {
    return getRuleContexts(<r.ctxName>.class);
}
>>
ContextRuleListIndexedGetterDecl(r) ::= <<
public <r.ctxName> <r.name>(int i) {
    return getRuleContext(<r.ctxName>.class,i);
}
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "<tokenName>"
ImplicitRuleLabel(ruleName) ::= "<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = _input.LT(1);"

```

```
CaptureNextTokenType(d) ::= "<d.varName> = _input.LA(1);"
```

```
StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers)
```

```
 ::= <<
public static class <struct.name> extends
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif> {
  <attrs:{ a | public <a>;}; separator="\n">
  <getters:{ g | <g>;}; separator="\n">
  <if(ctorAttrs)>public <struct.name>(ParserRuleContext parent, int invokingState) { super(parent, invokingState);
  }<endif>
  public <struct.name>(ParserRuleContext parent, int invokingState<ctorAttrs:{ a | , <a>>}) {
    super(parent, invokingState);
    <struct.ctorAttrs:{ a | this.<a.name> = <a.name>;}; separator="\n">
  }
  @Override public int getRuleIndex() { return RULE_<struct.derivedFromName>; }
<if(struct.provideCopyFrom)><! don't need copy unless we have subclasses !>
  public <struct.name>() { }
  public void copyFrom(<struct.name> ctx) {
    super.copyFrom(ctx);
    <struct.attrs:{ a | this.<a.name> = ctx.<a.name>;}; separator="\n">
  }
<endif>
  <dispatchMethods; separator="\n">
  <extensionMembers; separator="\n">
}
>>
```

```
AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
```

```
public static class <struct.name> extends <currentRule.name; format="cap">Context {
  <attrs:{ a | public <a>;}; separator="\n">
  <getters:{ g | <g>;}; separator="\n">
  public <struct.name>(<currentRule.name; format="cap">Context ctx) { copyFrom(ctx); }
  <dispatchMethods; separator="\n">
}
>>
```

```
ListenerDispatchMethod(method) ::= <<
```

```
@Override
public void <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener listener) {
  if ( listener instanceof <parser.grammarName>Listener )
    ((<parser.grammarName>Listener)listener).<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName;
  format="cap">(this);
}
>>
```

```
VisitorDispatchMethod(method) ::= <<
```

```
@Override
```

```

public <T> T accept(ParseTreeVisitor<? extends T> visitor) {
    if ( visitor instanceof <parser.grammarName>Visitor ) return ((<parser.grammarName>Visitor<? extends
T>)visitor).visit<struct.derivedFromName; format="cap">(this);
    else return visitor.visitChildren(this);
}
>>

```

```

AttributeDecl(d) ::= "<d.type> <d.name><if(d.initValue)> = <d.initValue><endif>"

```

```

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>((<x.ctx.name>)_localctx).<endif><x.name>"

```

```

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "((<actionChunk.ctx.name>)_localctx)"

```

```

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(_ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=<src>.<name>;"
recRuleSetStopToken() ::= "_ctx.stop = _input.LT(-1);"

```

```

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
    _localctx = new <ctxName>Context(_parentctx, _parentState);
    <if(label)>
    <if(isListLabel)>
        _localctx.<label>.add(_prevctx);
    <else>
        _localctx.<label> = _prevctx;
    <endif>
    <endif>
    <if(label)>_localctx.<label> = _prevctx;<endif>
    pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

```

```

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
    _localctx = new <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,
    _parentState));
    <if(label)>
    <if(isListLabel)>
        ((<currentAltLabel; format="cap">Context)_localctx).<label>.add(_prevctx);
    <else>
        ((<currentAltLabel; format="cap">Context)_localctx).<label> = _prevctx;
    <endif>
    <endif>
    pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

```

```

recRuleReplaceContext(ctxName) ::= <<
    _localctx = new <ctxName>Context(_localctx);

```

```

_ctx = _localctx;
_prevctx = _localctx;
>>

```

```

recRuleSetPrevCtx() ::= <<
if ( _parseListeners!=null ) triggerExitRuleEvent();
_prevctx = _localctx;
>>

```

```

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<if(lexerFile.genPackage)>
package <lexerFile.genPackage>;
<endif>
<namedActions.header>
import org.antlr.v4.runtime.Lexer;
import org.antlr.v4.runtime.CharStream;
import org.antlr.v4.runtime.Token;
import org.antlr.v4.runtime.TokenStream;
import org.antlr.v4.runtime.*;
import org.antlr.v4.runtime.atn.*;
import org.antlr.v4.runtime.dfa.DFA;
import org.antlr.v4.runtime.misc.*;

<lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})
public class <lexer.name> extends <superClass; null="Lexer"> {
    static { RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>", RuntimeMetaData.VERSION); }

    protected static final DFA[] _decisionToDFA;
    protected static final PredictionContextCache _sharedContextCache =
        new PredictionContextCache();
    <if(lexer.tokens)>
    public static final int
    <lexer.tokens:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(lexer.channels)>
    public static final int
    <lexer.channels:{c | <c>=<lexer.channels.(c)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(rest(lexer.modes))>
    public static final int
    <rest(lexer.modes):{m | <m>=<i>}; separator=", ", wrap, anchor>;
    <endif>

```

```

public static String[] channelNames = {
    "DEFAULT_TOKEN_CHANNEL", "HIDDEN" <if (lexer.channels)>, <lexer.channels:{c| "<c>"}; separator=", ",
wrap, anchor<endif>
};

public static String[] modeNames = {
    <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor>
};

public static final String[] ruleNames = {
    <lexer.ruleNames:{r| "<r>"}; separator=", ", wrap, anchor>
};

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<namedActions.members>

public <lexer.name>(CharStream input) {
    super(input);
    _interp = new LexerATNSimulator(this, _ATN, _decisionToDFA, _sharedContextCache);
}

@Override
public String getGrammarFileName() { return "<lexer.grammarFileName>"; }

@Override
public String[] getRuleNames() { return ruleNames; }

@Override
public String getSerializedATN() { return _serializedATN; }

@Override
public String[] getChannelNames() { return channelNames; }

@Override
public String[] getModeNames() { return modeNames; }

@Override
public ATN getATN() { return _ATN; }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

SerializedATN(model) ::= <<
<if(rest(model.segments))>
<! requires segmented representation !>

```

```

private static final int _serializedATNSegments = <length(model.segments)>;
<model.segments:{segment|private static final String _serializedATNSegment<i0> =
"<segment; wrap={ "+<\n><\t>" }>"; separator="\n">
public static final String _serializedATN = Utils.join(
new String[] {
<model.segments:{segment | _serializedATNSegment<i0>}; separator=",\n">
},
""
);
<else>
<! only one segment, can be inlined !>
public static final String _serializedATN =
"<model.serialized; wrap={ "+<\n><\t>" }>";
<endif>
public static final ATN _ATN =
new ATNDeserializer().deserialize(_serializedATN.toCharArray());
static {
_decisionToDFA = new DFA[_ATN.getNumberOfDecisions()];
for (int i = 0; i < _ATN.getNumberOfDecisions(); i++) {
_decisionToDFA[i] = new DFA(_ATN.getDecisionState(i), i);
}
<! org antlr.v4.tool.DOTGenerator dot = new org antlr.v4.tool.DOTGenerator(null);!>
<! System.out.println(dot.getDOT(_ATN.decisionToState.get(0), ruleNames, false));!>
<! System.out.println(dot.getDOT(_ATN.ruleToStartState[2], ruleNames, false));!>
}
>>

/** Using a type to init value map, try to init a type; if not in table
* must be an object, default value is "null".
*/
initValue(typeName) ::= <<
<javaTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".java"

Found in path(s):
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/tool/templates/codegen/Java/Java.stg
No license file was found, but licenses were detected in source scan.

/*
* Copyright (c) 2012-2017 The ANTLR Project. All rights reserved.
* Use of this file is governed by the BSD 3-clause license that
* can be found in the LICENSE.txt file in the project root.
*/
/**
[The "BSD license"]

```

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\*/

Found in path(s):

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/gui/GraphicsSupport.java

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\*/

/\*

This file contains the actual layout of the messages emitted by ANTLR.

This file contains the default format ANTLR uses.

\*/

location(file, line, column) ::= "<file>:<line>:<column>:"

message(id, text) ::= "<id> <text>"

report(location, message, type) ::= "<type><message.id>: <location> <message.text>"

wantsSingleLineMessage() ::= "false"

Found in path(s):

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/templates/messages/formats/antlr.stg

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* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

```

```

/** ANTLR tool checks output templates are compatible with tool code generation.

```

```

* For now, a simple string match used on x.y of x.y.z scheme.

```

```

* Must match Tool.VERSION during load to templates.

```

```

*

```

```

* REQUIRED.

```

```

*/

```

```

pythonTypeInitMap ::= [
  "bool":"False",
  "int":"0",
  "float":"0.0",
  "str": "",
  default:"None" // anything other than a primitive type is an object
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<

```

```

<fileHeader(file.grammarFileName, file.ANTLRVersion)>

```

```

# encoding: utf-8

```

```

from __future__ import print_function

```

```

from antlr4 import *

```

```

from io import StringIO

```

```

import sys

```

```

<namedActions.header>

```

```

<parser>

```

```

>>

```

```

ListenerFile(file, header, namedActions) ::= <<

```

```

<fileHeader(file.grammarFileName, file.ANTLRVersion)>

```

```

from antlr4 import *

```

```

<header>

```

```

# This class defines a complete listener for a parse tree produced by <file.parserName>.

```

```

class <file.grammarName>Listener(ParseTreeListener):

```

```

    <file.listenerNames:{lname |
# Enter a parse tree produced by <file.parserName>#<lname>.
def enter<lname; format="cap">(self, ctx):
    pass

# Exit a parse tree produced by <file.parserName>#<lname>.
def exit<lname; format="cap">(self, ctx):
    pass

}; separator="\n">

>>

```

```

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
<header>

```

# This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

```

class <file.grammarName>Visitor(ParseTreeVisitor):

```

```

    <file.visitorNames:{lname |
# Visit a parse tree produced by <file.parserName>#<lname>.
def visit<lname; format="cap">(self, ctx):
    return self.visitChildren(ctx)

}; separator="\n">

```

```

>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
# Generated from <grammarFileName> by ANTLR <ANTLRVersion>
>>

```

```

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

```

```

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(superClass)>
from .<superClass> import <superClass>

```

```

<endif>

```

```

<atn>

```

```

class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):

    grammarFileName = "<parser.grammarFileName>"

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    sharedContextCache = PredictionContextCache()

    literalNames = [ <parser.literalNames:{t | u<t>}; null="u\"<INVALID>\"", separator=", ", wrap, anchor> ]

    symbolicNames = [ <parser.symbolicNames:{t | u<t>}; null="u\"<INVALID>\"", separator=", ", wrap, anchor> ]

    <parser.rules:{r | RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>

    ruleNames = [ <parser.ruleNames:{r | u"<r>"}; separator=", ", wrap, anchor> ]

    EOF = <TokenLabelType(>).EOF
    <if(parser.tokens)>
    <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    <parser:(ctor)>

    <namedActions.members>

    <funcs; separator="\n">

<if(sempredFuncs)>
    def sempred(self, localctx, ruleIndex, predIndex):
        if self._predicates == None:
            self._predicates = dict()
    <parser.sempredFuncs.values:{f |
        self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n    ">
        pred = self._predicates.get(ruleIndex, None)
        if pred is None:
            raise Exception("No predicate with index:" + str(ruleIndex))
        else:
            return pred(localctx, predIndex)

    <sempredFuncs.values; separator="\n">
<endif>

```

```

>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx, ruleIndex, actionIndex):
    if self._actions is None:
        actions = dict()
<recog.actionFuncs.values: {f|
    actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
    self._actions = actions
    action = self._actions.get(ruleIndex, None)
    if action is not None:
        action(localctx, actionIndex)
    else:
        raise Exception("No registered action for:" + str(ruleIndex))

<actionFuncs.values; separator="\n">

<endif>
<if(sempredFuncs)>
def sempred(self, localctx, ruleIndex, predIndex):
    if self._predicates is None:
        preds = dict()
<recog.sempredFuncs.values: {f|
    preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
    self._predicates = preds
    pred = self._predicates.get(ruleIndex, None)
    if pred is not None:
        return pred(localctx, predIndex)
    else:
        raise Exception("No registered predicate for:" + str(ruleIndex))

<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
def __init__(self, input, output=sys.stdout):
    super(<parser.name>, self).__init__(input, output=output)
    self.checkVersion("<file.ANTLRVersion>")
    self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
    self._predicates = None

>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

```
RuleActionFunction(r, actions) ::= <<
```

```
def <r.name>_action(self, localctx , actionIndex):  
<actions: {index|  
<if(first(actions))>  
    if actionIndex == <index>:  
        <actions.(index)>  
<elseif(rest(actions))>  
    elif actionIndex == <index>:  
        <actions.(index)>  
<endif> }; separator="\n">  
>>
```

```
/* This generates a private method since the predIndex is generated, making an  
* overriding implementation impossible to maintain.  
*/
```

```
RuleSempredFunction(r, actions) ::= <<
```

```
def <r.name>_sempred(self, localctx, predIndex):  
    <actions: {index|  
<if(first(actions))>  
        if predIndex == <index>:  
            return <actions.(index)>  
<elseif(rest(actions))>  
        elif predIndex == <index>:  
            return <actions.(index)>  
<endif> }; separator="\n">  
>>
```

```
RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)  
::= <<
```

```
<ruleCtx>
```

```
<altLabelCtxs: {l | <altLabelCtxs.(l)>}; separator="\n">
```

```
def <currentRule.name>(self<currentRule.args: {a | , <a.name>}>):
```

```
    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args: {a | , <a.name>}>)  
    self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)  
    <namedActions.init>  
    <locals; separator="\n">  
    try:  
        <code>  
        <postamble; separator="\n">  
        <namedActions.after>  
    <if(exceptions)>  
        <exceptions; separator="\n">
```

```

<else>
except RecognitionException as re:
    localctx.exception = re
    self._errHandler.reportError(self, re)
    self._errHandler.recover(self, re)
<endif>
finally:
    <finallyAction>
    self.exitRule()
return localctx

>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=
<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>} ; separator="\n">

def <currentRule.name>(self, _p=0<if(currentRule.args)>, <args:{a | , <a>}><endif>):
    _parentctx = self._ctx
    _parentState = self.state
    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{a | , <a.name>}>)
    _prevctx = localctx
    _startState = <currentRule.startState>
    self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    except RecognitionException as re:
        localctx.exception = re
        self._errHandler.reportError(self, re)
        self._errHandler.recover(self, re)
    finally:
        <finallyAction>
        self.unrollRecursionContexts(_parentctx)
    return localctx

>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel>;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)

```

```
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
```

```
>>
```

```
CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
```

```
<locals; separator="\n">
```

```
<preamble; separator="\n">
```

```
<ops; separator="\n">
```

```
>>
```

```
LL1AltBlock(choice, preamble, alts, error) ::= <<
```

```
self.state = <choice.stateNumber>
```

```
self._errHandler.sync(self)
```

```
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
```

```
<preamble; separator="\n">
```

```
token = self._input.LA(1)
```

```
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
```

```
  <alt>
```

```
  pass}; separator="\n1">
```

```
else:
```

```
  <error>
```

```
>>
```

```
LL1OptionalBlock(choice, alts, error) ::= <<
```

```
self.state = <choice.stateNumber>
```

```
self._errHandler.sync(self)
```

```
token = self._input.LA(1)
```

```
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
```

```
  <alt>
```

```
  pass}; separator="\n1">
```

```
else:
```

```
  pass
```

```
>>
```

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
```

```
self.state = <choice.stateNumber>
```

```
self._errHandler.sync(self)
```

```
<preamble; separator="\n">
```

```
if <expr>:
```

```
  <alts; separator="\n">
```

```
<!else if ( !( <followExpr> ) ) <error>!>
```

```
>>
```

```
LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
```

```
self.state = <choice.stateNumber>
```

```
self._errHandler.sync(self)
```

```

<preamble; separator="\n">
while <loopExpr>:
  <alts; separator="\n">
  self.state = <choice.loopBackStateNumber>
  self._errHandler.sync(self)
  <iteration>

>>

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
  <alts; separator="\n">
  self.state = <choice.stateNumber> <! loopback/exit decision !>
  self._errHandler.sync(self)
  <iteration>
  if not (<loopExpr>):
    break

>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{ alt |
if la_ == <i>:
  <alt>
  pass
}; separator="\nel">

>>

OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{ alt |
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
}; separator="\nel">

```

>>

```
StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
  if _alt==1<if(!choice.ast.greedy)>+1<endif>:
    <iteration>
    <alts> <! should only be one !>
  self.state = <choice.loopBackStateNumber>
  self._errHandler.sync(self)
  _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
```

>>

```
PlusBlock(choice, alts, error) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
  <alts: {alt|
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
}; separator="\n" >
  else:
    <error>
  self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>
  self._errHandler.sync(self)
  _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
```

>>

```
Sync(s) ::= "sync(<s.expecting.name>)"
```

```
ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"
```

```
TestSetInline(s) ::= <<
<s.bitsets: {bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" or ">
>>
```

>>

```
// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
```

```
testShiftInRange(shiftAmount) ::= <<
```

```
((<shiftAmount>) & ~0x3f) == 0
```

>>

```
// produces smaller bytecode only when bits.ttypes contains more than two items
```

```

bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> and ((1 <|< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 <|< <offsetShiftType(ttype, bits.shift)>)}); separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><parser.name>.<shiftAmount> - <offset><else><parser.name>.<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>==<parser.name>.<ttype>}; separator=" or ">
%>

cases(ttypes) ::= <<
if token in [<ttypes:{t | <parser.name>.<t>}; separator=", ">]:
>>

InvokeRule(r, argExprsChunks) ::= <<
self.state = <r.stateNumber>
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>self.<r.name><(if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChu
nks>)
>>

MatchToken(m) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> <= 0 or <expr><else>if not(<expr>)<endif>:

```

```

<if(m.labels)><m.labels:{1 | <labelref(l)> = }><else> <endif>self._errHandler.recoverInline(self)
else:
    self._errHandler.reportMatch(self)
    self.consume()
>>

Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>self.matchWildcard()
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
    from antlr4.error.Errors import FailedPredicateException
    raise FailedPredicateException(self, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>)
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip()"
LexerMoreCommand() ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg, grammar) ::= "_type = <arg>"
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>"
LexerModeCommand(arg, grammar) ::= "_mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a) ::= "localctx.<a.name>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"

```

```

/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(0 if (<ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(None if <ctx(r)>.<r.label> is None else
self._input.getText((<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop)))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "self._input.getText((localctx.start, self._input.LT(-1)))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "self.<t.name> = None # <TokenLabelType()>"
TokenTypeDecl(t) ::= "self.<t.name> = 0 # <TokenLabelType()> type"
TokenListDecl(t) ::= "self.<t.name> = list() # of <TokenLabelType()>s"
RuleContextDecl(r) ::= "self.<r.name> = None # <r.ctxName>"
RuleContextListDecl(rdecl) ::= "self.<rdecl.name> = list() # of <rdecl.ctxName>s"

ContextTokenGetterDecl(t) ::= <<
def <t.name>(self):
    return self.getToken(<parser.name>.<t.name>, 0)
>>

// should never be called
ContextTokenListGetterDecl(t) ::= <<

```

```

def <t.name>_list(self):
    return self.getTokens(<parser.name>.<t.name>)
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
def <t.name>(self, i=None):
    if i is None:
        return self.getTokens(<parser.name>.<t.name>)
    else:
        return self.getToken(<parser.name>.<t.name>, i)
>>

ContextRuleGetterDecl(r) ::= <<
def <r.name>(self):
    return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)

>>

// should never be called
ContextRuleListGetterDecl(r) ::= <<
def <r.name>_list(self):
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)

>>

ContextRuleListIndexedGetterDecl(r) ::= <<
def <r.name>(self, i=None):
    if i is None:
        return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
    else:
        return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)

>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"

```

```
StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):
```

```
def __init__(self, parser, parent=None, invokingState=-1<struct.ctorAttrs:{ a | , <a.name>=None}>):
    super(<parser.name>.<struct.name>, self).__init__(parent, invokingState)
    self.parser = parser
    <attrs:{ a | <a>}; separator="\n">
    <struct.ctorAttrs:{ a | self.<a.name> = <a.name>}; separator="\n">
```

```
<getters:{ g | <g>}; separator="\n\n">
```

```
def getRuleIndex(self):
    return <parser.name>.RULE_<struct.derivedFromName>
```

```
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
```

```
def copyFrom(self, ctx):
    super(<parser.name>.<struct.name>, self).copyFrom(ctx)
    <struct.attrs:{ a | self.<a.name> = ctx.<a.name>}; separator="\n">
```

```
<endif>
```

```
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">
```

```
>>
```

```
AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
class <struct.name>(<currentRule.name; format="cap">Context):
```

```
def __init__(self, parser, ctx): # actually a <parser.name>.<currentRule.name; format="cap">Context)
    super(<parser.name>.<struct.name>, self).__init__(parser)
    <attrs:{ a | <a>}; separator="\n">
    self.copyFrom(ctx)
```

```
<getters:{ g | <g>}; separator="\n">
```

```
<dispatchMethods; separator="\n">
```

```
>>
```

```
ListenerDispatchMethod(method) ::= <<
```

```
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener):
```

```
    if hasattr(listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">"):
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)
```

```
>>
```

```
VisitorDispatchMethod(method) ::= <<
```

```

def accept(self, visitor):
    if hasattr(visitor, "visit<struct.derivedFromName; format='cap'>"):
        return visitor.visit<struct.derivedFromName; format='cap'>(self)
    else:
        return visitor.visitChildren(self)

>>

AttributeDecl(d) ::= "self.<d.name> = <if(d.initValue)><d.initValue><else>None<endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "self.precpred(self._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=<src>.<name>"
recRuleSetStopToken() ::= "self._ctx.stop = self._input.LT(-1)"

recRuleAltStartAction(ruleName, ctxName, label) ::= <<
localctx = <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
<if(label)>localctx.<label> = _prevctx<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = <parser.name>.<currentAltLabel; format='cap'>Context(self, <parser.name>.<ruleName;
format='cap'>Context(self, _parentctx, _parentState))
<if(label)>
<if(isListLabel)>
localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleReplaceContext(ctxName) ::= <<
localctx = <parser.name>.<ctxName>Context(self, localctx)
self._ctx = localctx
_prevctx = localctx
>>

recRuleSetPrevCtx() ::= <<

```

```

if self._parseListeners is not None:
    self.triggerExitRuleEvent()
_prevctx = localctx
>>

```

```

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
# encoding: utf-8
from __future__ import print_function
from antlr4 import *
from io import StringIO
import sys

```

```

<namedActions.header>

```

```

<lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<

```

```

<atn>

```

```

class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

```

```

    atn = ATNDeserializer().deserialize(serializedATN())

```

```

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

```

```

<if(lexer.channels)>

```

```

    <lexer.channels:{c| <c> = <lexer.channels.(c)>}; separator="\n">

```

```

<endif>

```

```

<if(rest(lexer.modes))>

```

```

    <rest(lexer.modes):{m| <m> = <i>}; separator="\n">

```

```

<endif>

```

```

    <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator="\n", wrap, anchor>

```

```

    channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channels)>, <lexer.channels:{c|
u"<c>"}; separator=", ", wrap, anchor><endif> ]

```

```

    modeNames = [ <lexer.modes:{m| u"<m>"}; separator=", ", wrap, anchor> ]

```

```

    literalNames = [ u"\<INVALID>",

```

```

        <lexer.literalNames:{t | u<t>}; separator=", ", wrap, anchor> ]

```

```

    symbolicNames = [ u"\<INVALID>",

```

```

    <lexer.symbolicNames:{t | u<t>}; separator=", ", wrap, anchor> ]

ruleNames = [ <lexer.ruleNames:{r | u"<r>"}; separator=", ", wrap, anchor> ]

grammarFileName = u"<lexer.grammarFileName>"

def __init__(self, input=None, output=sys.stdout):
    super(<lexer.name>, self).__init__(input, output=output)
    self.checkVersion("<lexerFile.ANTLRVersion>")
    self._interp = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
    self._actions = None
    self._predicates = None

<namedActions.members>

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

def serializedATN():
    with StringIO() as buf:
        buf.write(u"<model.serialized; wrap={ }<n>    buf.write(u"}>")
        return buf.getvalue()

>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<pythonTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".py"

Found in path(s):
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/tool/templates/codegen/Python2/Python2.stg
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 \*/

```
tree grammar SourceGenTriggers;
```

```
options {
  language = Java;
  tokenVocab = ANTLRParser;
  ASTLabelType = GrammarAST;
}
```

```
@header {
  package org.antlr.v4.codegen;
  import org.antlr.v4.misc.Utils;
  import org.antlr.v4.codegen.model.*;
  import org.antlr.v4.codegen.model.decl.*;
  import org.antlr.v4.tool.*;
  import org.antlr.v4.tool.ast.*;
  import java.util.Collections;
  import java.util.Map;
  import java.util.HashMap;
}
```

```
@members {
  public OutputModelController controller;
  public boolean hasLookaheadBlock;
  public SourceGenTriggers(TreeNodeStream input, OutputModelController controller) {
```

```

    this(input);
    this.controller = controller;
  }
}

```

```
dummy : block[null, null] ;
```

```

block[GrammarAST label, GrammarAST ebnfRoot] returns [List<? extends SrcOp> omos]
: ^( blk=BLOCK (^ (OPTIONS .+)) ?
  { List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();
    ( alternative { alts.add($alternative.altCodeBlock); } )+
  )
  {
  if ( alts.size() == 1 && ebnfRoot == null ) return alts;
  if ( ebnfRoot == null ) {
    $omos = DefaultOutputModelFactory.list(controller.getChoiceBlock((BlockAST)$blk, alts, $label));
  }
  else {
    Choice choice = controller.getEBNFBlock($ebnfRoot, alts);
    hasLookaheadBlock |= choice instanceof PlusBlock || choice instanceof StarBlock;
    $omos = DefaultOutputModelFactory.list(choice);
  }
  }
;

```

```

alternative returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]
@init {
  boolean outerMost = inContext("RULE BLOCK");
}
@after {
  controller.finishAlternative($altCodeBlock, $ops, outerMost);
}
: a=alt[outerMost] { $altCodeBlock=$a.altCodeBlock; $ops=$a.ops; }
;

```

```

alt[boolean outerMost] returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]
@init {
  // set alt if outer ALT only (the only ones with alt field set to Alternative object)
  AltAST altAST = (AltAST)retval.start;
  if ( outerMost ) controller.setCurrentOuterMostAlt(altAST.alt);
}
: {
  List<SrcOp> elems = new ArrayList<SrcOp>();
  // TODO: shouldn't we pass $start to controller.alternative()?
  $altCodeBlock = controller.alternative(controller.getCurrentOuterMostAlt(), outerMost);
  $altCodeBlock.ops = $ops = elems;
  controller.setCurrentBlock($altCodeBlock);
}

```

```

^( ALT elementOptions? ( element {if ($element.omos!=null) elems.addAll($element.omos);} )+ )

| ^(ALT elementOptions? EPSILON)
    {$altCodeBlock = controller.epsilon(controller.getCurrentOuterMostAlt(), outerMost);}
;

element returns [List<? extends SrcOp> omos]
: labeledElement    {$omos = $labeledElement.omos;}
| atom[null,false]  {$omos = $atom.omos;}
| subrule           {$omos = $subrule.omos;}
| ACTION           {$omos = controller.action((ActionAST)$ACTION);}
| SEMPRED          {$omos = controller.sempred((ActionAST)$SEMPRED);}
| ^(ACTION elementOptions) {$omos = controller.action((ActionAST)$ACTION);}
| ^(SEMPRED elementOptions) {$omos = controller.sempred((ActionAST)$SEMPRED);}
;

labeledElement returns [List<? extends SrcOp> omos]
: ^(ASSIGN ID atom[$ID,false] ) {$omos = $atom.omos;}
| ^(PLUS_ASSIGN ID atom[$ID,false]) {$omos = $atom.omos;}
| ^(ASSIGN ID block[$ID,null] ) {$omos = $block.omos;}
| ^(PLUS_ASSIGN ID block[$ID,null]) {$omos = $block.omos;}
;

subrule returns [List<? extends SrcOp> omos]
: ^(OPTIONAL b=block[null,$OPTIONAL])
{
    $omos = $block.omos;
}
| ( ^(op=CLOSURE b=block[null,null])
| ^(op=POSITIVE_CLOSURE b=block[null,null])
)
{
    List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();
    SrcOp blk = $b.omos.get(0);
    CodeBlockForAlt alt = new CodeBlockForAlt(controller.delegate);
    alt.addOp(blk);
    alts.add(alt);
    SrcOp loop = controller.getEBNFBlock($op, alts); // "star it"
    hasLookaheadBlock |= loop instanceof PlusBlock || loop instanceof StarBlock;
    $omos = DefaultOutputModelFactory.list(loop);
}
| block[null, null]    {$omos = $block.omos;}
;

blockSet[GrammarAST label, boolean invert] returns [List<SrcOp> omos]
: ^(SET atom[label,invert]+) {$omos = controller.set($SET, $label, invert);}
;

```

```

/*
addElement
: STRING_LITERAL
| TOKEN_REF
| ^(RANGE STRING_LITERAL STRING_LITERAL)
;
*/

// TODO: combine ROOT/BANG into one then just make new op ref'ing return value of atom/terminal...
// TODO: same for NOT
atom[GrammarAST label, boolean invert] returns [List<SrcOp> omos]
: ^(NOT a=atom[$label, true]) {$omos = $a.omos;}
| range[label] {$omos = $range.omos;}
| ^(DOT ID terminal[$label])
| ^(DOT ID ruleref[$label])
| ^(WILDCARD .) {$omos = controller.wildcard($WILDCARD, $label);}
| WILDCARD {$omos = controller.wildcard($WILDCARD, $label);}
| terminal[label] {$omos = $terminal.omos;}
| ruleref[label] {$omos = $ruleref.omos;}
| blockSet[$label, invert] {$omos = $blockSet.omos;}
;

ruleref[GrammarAST label] returns [List<SrcOp> omos]
: ^(RULE_REF ARG_ACTION? elementOptions?) {$omos = controller.ruleRef($RULE_REF, $label,
$ARG_ACTION);}
;

range[GrammarAST label] returns [List<SrcOp> omos]
: ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
;

terminal[GrammarAST label] returns [List<SrcOp> omos]
: ^(STRING_LITERAL .) {$omos = controller.stringRef($STRING_LITERAL, $label);}
| STRING_LITERAL {$omos = controller.stringRef($STRING_LITERAL, $label);}
| ^(TOKEN_REF ARG_ACTION .) {$omos = controller.tokenRef($TOKEN_REF, $label, $ARG_ACTION);}
| ^(TOKEN_REF .) {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
| TOKEN_REF {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
;

elementOptions
: ^(ELEMENT_OPTIONS elementOption+)
;

elementOption
: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)

```

| ^(ASSIGN ID INT)

;

Found in path(s):

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/SourceGenTriggers.g

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\*/

/\*\* The definitive ANTLR v3 tree grammar to walk/visit ANTLR v4 grammars.

\* Parses trees created by ANTLRParser.g.

\*

\* Rather than have multiple tree grammars, one for each visit, I'm

\* creating this generic visitor that knows about context. All of the

\* boilerplate pattern recognition is done here. Then, subclasses can

\* override the methods they care about. This prevents a lot of the same

\* context tracking stuff like "set current alternative for current

\* rule node" that is repeated in lots of tree filters.

\*/

```

tree grammar GrammarTreeVisitor;
options {
    language    = Java;
    tokenVocab  = ANTLRParser;
    ASTLabelType = GrammarAST;
}

// Include the copyright in this source and also the generated source
@header {
/*
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```

*/
package org.antlr.v4.parse;
import org.antlr.v4.Tool;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.lang.reflect.InvocationTargetException;
import java.lang.reflect.Method;
}

@members {
public String grammarName;
public GrammarAST currentRuleAST;

```

```

public String currentModeName = LexerGrammar.DEFAULT_MODE_NAME;
public String currentRuleName;
public GrammarAST currentOuterAltRoot;
public int currentOuterAltNumber = 1; // 1..n
public int rewriteEBNFLevel = 0;

public GrammarTreeVisitor() { this(null); }

// Should be abstract but can't make gen'd parser abstract;
// subclasses should implement else everything goes to stderr!
public ErrorManager getErrorManager() { return null; }

public void visitGrammar(GrammarAST t) { visit(t, "grammarSpec"); }
public void visit(GrammarAST t, String ruleName) {
    CommonTreeNodeStream nodes = new CommonTreeNodeStream(new GrammarASTAdaptor(), t);
    setTreeNodeStream(nodes);
    try {
        Method m = getClass().getMethod(ruleName);
        m.invoke(this);
    }
    catch (Throwable e) {
        ErrorManager errMgr = getErrorManager();
        if ( e instanceof InvocationTargetException ) {
            e = e.getCause();
        }
        //e.printStackTrace(System.err);
        if ( errMgr==null ) {
            System.err.println("can't find rule "+ruleName+
                " or tree structure error: "+t.toStringTree()
            );
            e.printStackTrace(System.err);
        }
        else errMgr.toolError(ErrorType.INTERNAL_ERROR, e);
    }
}

public void discoverGrammar(GrammarRootAST root, GrammarAST ID) { }
public void finishPrequels(GrammarAST firstPrequel) { }
public void finishGrammar(GrammarRootAST root, GrammarAST ID) { }

public void grammarOption(GrammarAST ID, GrammarAST valueAST) { }
public void ruleOption(GrammarAST ID, GrammarAST valueAST) { }
public void blockOption(GrammarAST ID, GrammarAST valueAST) { }
public void defineToken(GrammarAST ID) { }
public void defineChannel(GrammarAST ID) { }
public void globalNamedAction(GrammarAST scope, GrammarAST ID, ActionAST action) { }
public void importGrammar(GrammarAST label, GrammarAST ID) { }

```

```

public void modeDef(GrammarAST m, GrammarAST ID) { }

public void discoverRules(GrammarAST rules) { }
public void finishRules(GrammarAST rule) { }
public void discoverRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers,
    ActionAST arg, ActionAST returns, GrammarAST thrws,
    GrammarAST options, ActionAST locals,
    List<GrammarAST> actions,
    GrammarAST block) { }
public void finishRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void discoverLexerRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers,
    GrammarAST block) { }
public void finishLexerRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void ruleCatch(GrammarAST arg, ActionAST action) { }
public void finallyAction(ActionAST action) { }
public void discoverOuterAlt(AltAST alt) { }
public void finishOuterAlt(AltAST alt) { }
public void discoverAlt(AltAST alt) { }
public void finishAlt(AltAST alt) { }

public void ruleRef(GrammarAST ref, ActionAST arg) { }
public void tokenRef(TerminalAST ref) { }
public void elementOption(GrammarASTWithOptions t, GrammarAST ID, GrammarAST valueAST) { }
public void stringRef(TerminalAST ref) { }
public void wildcardRef(GrammarAST ref) { }
public void actionInAlt(ActionAST action) { }
public void sempredInAlt(PredAST pred) { }
public void label(GrammarAST op, GrammarAST ID, GrammarAST element) { }
public void lexerCallCommand(int outerAltNumber, GrammarAST ID, GrammarAST arg) { }
public void lexerCommand(int outerAltNumber, GrammarAST ID) { }

protected void enterGrammarSpec(GrammarAST tree) { }
protected void exitGrammarSpec(GrammarAST tree) { }

protected void enterPrequelConstructs(GrammarAST tree) { }
protected void exitPrequelConstructs(GrammarAST tree) { }

protected void enterPrequelConstruct(GrammarAST tree) { }
protected void exitPrequelConstruct(GrammarAST tree) { }

protected void enterOptionsSpec(GrammarAST tree) { }
protected void exitOptionsSpec(GrammarAST tree) { }

protected void enterOption(GrammarAST tree) { }
protected void exitOption(GrammarAST tree) { }

protected void enterOptionValue(GrammarAST tree) { }
protected void exitOptionValue(GrammarAST tree) { }

```

```
protected void enterDelegateGrammars(GrammarAST tree) { }
protected void exitDelegateGrammars(GrammarAST tree) { }

protected void enterDelegateGrammar(GrammarAST tree) { }
protected void exitDelegateGrammar(GrammarAST tree) { }

protected void enterTokensSpec(GrammarAST tree) { }
protected void exitTokensSpec(GrammarAST tree) { }

protected void enterTokenSpec(GrammarAST tree) { }
protected void exitTokenSpec(GrammarAST tree) { }

protected void enterChannelsSpec(GrammarAST tree) { }
protected void exitChannelsSpec(GrammarAST tree) { }

protected void enterChannelSpec(GrammarAST tree) { }
protected void exitChannelSpec(GrammarAST tree) { }

protected void enterAction(GrammarAST tree) { }
protected void exitAction(GrammarAST tree) { }

protected void enterRules(GrammarAST tree) { }
protected void exitRules(GrammarAST tree) { }

protected void enterMode(GrammarAST tree) { }
protected void exitMode(GrammarAST tree) { }

protected void enterLexerRule(GrammarAST tree) { }
protected void exitLexerRule(GrammarAST tree) { }

protected void enterRule(GrammarAST tree) { }
protected void exitRule(GrammarAST tree) { }

protected void enterExceptionGroup(GrammarAST tree) { }
protected void exitExceptionGroup(GrammarAST tree) { }

protected void enterExceptionHandler(GrammarAST tree) { }
protected void exitExceptionHandler(GrammarAST tree) { }

protected void enterFinallyClause(GrammarAST tree) { }
protected void exitFinallyClause(GrammarAST tree) { }

protected void enterLocals(GrammarAST tree) { }
protected void exitLocals(GrammarAST tree) { }

protected void enterRuleReturns(GrammarAST tree) { }
protected void exitRuleReturns(GrammarAST tree) { }
```

protected void enterThrowsSpec(GrammarAST tree) { }  
protected void exitThrowsSpec(GrammarAST tree) { }

protected void enterRuleAction(GrammarAST tree) { }  
protected void exitRuleAction(GrammarAST tree) { }

protected void enterRuleModifier(GrammarAST tree) { }  
protected void exitRuleModifier(GrammarAST tree) { }

protected void enterLexerRuleBlock(GrammarAST tree) { }  
protected void exitLexerRuleBlock(GrammarAST tree) { }

protected void enterRuleBlock(GrammarAST tree) { }  
protected void exitRuleBlock(GrammarAST tree) { }

protected void enterLexerOuterAlternative(AltAST tree) { }  
protected void exitLexerOuterAlternative(AltAST tree) { }

protected void enterOuterAlternative(AltAST tree) { }  
protected void exitOuterAlternative(AltAST tree) { }

protected void enterLexerAlternative(GrammarAST tree) { }  
protected void exitLexerAlternative(GrammarAST tree) { }

protected void enterLexerElements(GrammarAST tree) { }  
protected void exitLexerElements(GrammarAST tree) { }

protected void enterLexerElement(GrammarAST tree) { }  
protected void exitLexerElement(GrammarAST tree) { }

protected void enterLabeledLexerElement(GrammarAST tree) { }  
protected void exitLabeledLexerElement(GrammarAST tree) { }

protected void enterLexerBlock(GrammarAST tree) { }  
protected void exitLexerBlock(GrammarAST tree) { }

protected void enterLexerAtom(GrammarAST tree) { }  
protected void exitLexerAtom(GrammarAST tree) { }

protected void enterActionElement(GrammarAST tree) { }  
protected void exitActionElement(GrammarAST tree) { }

protected void enterAlternative(AltAST tree) { }  
protected void exitAlternative(AltAST tree) { }

protected void enterLexerCommand(GrammarAST tree) { }  
protected void exitLexerCommand(GrammarAST tree) { }

```
protected void enterLexerCommandExpr(GrammarAST tree) { }
protected void exitLexerCommandExpr(GrammarAST tree) { }

protected void enterElement(GrammarAST tree) { }
protected void exitElement(GrammarAST tree) { }

protected void enterAstOperand(GrammarAST tree) { }
protected void exitAstOperand(GrammarAST tree) { }

protected void enterLabeledElement(GrammarAST tree) { }
protected void exitLabeledElement(GrammarAST tree) { }

protected void enterSubrule(GrammarAST tree) { }
protected void exitSubrule(GrammarAST tree) { }

protected void enterLexerSubrule(GrammarAST tree) { }
protected void exitLexerSubrule(GrammarAST tree) { }

protected void enterBlockSuffix(GrammarAST tree) { }
protected void exitBlockSuffix(GrammarAST tree) { }

protected void enterEbnfSuffix(GrammarAST tree) { }
protected void exitEbnfSuffix(GrammarAST tree) { }

protected void enterAtom(GrammarAST tree) { }
protected void exitAtom(GrammarAST tree) { }

protected void enterBlockSet(GrammarAST tree) { }
protected void exitBlockSet(GrammarAST tree) { }

protected void enterSetElement(GrammarAST tree) { }
protected void exitSetElement(GrammarAST tree) { }

protected void enterBlock(GrammarAST tree) { }
protected void exitBlock(GrammarAST tree) { }

protected void enterRuleref(GrammarAST tree) { }
protected void exitRuleref(GrammarAST tree) { }

protected void enterRange(GrammarAST tree) { }
protected void exitRange(GrammarAST tree) { }

protected void enterTerminal(GrammarAST tree) { }
protected void exitTerminal(GrammarAST tree) { }

protected void enterElementOptions(GrammarAST tree) { }
protected void exitElementOptions(GrammarAST tree) { }
```

```
protected void enterElementOption(GrammarAST tree) { }
protected void exitElementOption(GrammarAST tree) { }
```

```
@Override
public void traceIn(String ruleName, int ruleIndex) {
    System.err.println("enter "+ruleName+": "+input.LT(1));
}
```

```
@Override
public void traceOut(String ruleName, int ruleIndex) {
    System.err.println("exit "+ruleName+": "+input.LT(1));
}
}
```

```
grammarSpec
```

```
@init {
    enterGrammarSpec($start);
}
@after {
    exitGrammarSpec($start);
}
: ^( GRAMMAR ID {grammarName=$ID.text;}
    {discoverGrammar((GrammarRootAST)$GRAMMAR, $ID);}
    prequelConstructs
    {finishPrequels($prequelConstructs.firstOne);}
    rules mode*
    {finishGrammar((GrammarRootAST)$GRAMMAR, $ID);}
)
;
```

```
prequelConstructs returns [GrammarAST firstOne=null]
```

```
@init {
    enterPrequelConstructs($start);
}
@after {
    exitPrequelConstructs($start);
}
: {$firstOne=$start;} prequelConstruct+
|
;
```

```
prequelConstruct
```

```
@init {
    enterPrequelConstructs($start);
}
@after {
    exitPrequelConstructs($start);
}
```

```

}
: optionsSpec
| delegateGrammars
| tokensSpec
| channelsSpec
| action
;

optionsSpec
@init {
enterOptionsSpec($start);
}
@after {
exitOptionsSpec($start);
}
: ^(OPTIONS option*)
;

option
@init {
enterOption($start);
boolean rule = inContext("RULE ...");
boolean block = inContext("BLOCK ...");
}
@after {
exitOption($start);
}
: ^(a=ASSIGN ID v=optionValue)
{
if ( block ) blockOption($ID, $v.start); // most specific first
else if ( rule ) ruleOption($ID, $v.start);
else grammarOption($ID, $v.start);
}
;

optionValue returns [String v]
@init {
enterOptionValue($start);
$v = $start.token.getText();
}
@after {
exitOptionValue($start);
}
: ID
| STRING_LITERAL
| INT
;

```

```
delegateGrammars
@init {
  enterDelegateGrammars($start);
}
@after {
  exitDelegateGrammars($start);
}
: ^(IMPORT delegateGrammar+)
;
```

```
delegateGrammar
@init {
  enterDelegateGrammar($start);
}
@after {
  exitDelegateGrammar($start);
}
: ^(ASSIGN label=ID id=ID) {importGrammar($label, $id);}
| id=ID {importGrammar(null, $id);}
;
```

```
tokensSpec
@init {
  enterTokensSpec($start);
}
@after {
  exitTokensSpec($start);
}
: ^(TOKENS_SPEC tokenSpec+)
;
```

```
tokenSpec
@init {
  enterTokenSpec($start);
}
@after {
  exitTokenSpec($start);
}
: ID {defineToken($ID);}
;
```

```
channelsSpec
@init {
  enterChannelsSpec($start);
}
@after {
  exitChannelsSpec($start);
}
;
```

```

: ^(CHANNELS channelSpec+)
;

channelSpec
@init {
    enterChannelSpec($start);
}
@after {
    exitChannelSpec($start);
}
: ID {defineChannel($ID);}
;

action
@init {
    enterAction($start);
}
@after {
    exitAction($start);
}
: ^(AT sc=ID? name=ID ACTION) {globalNamedAction($sc, $name, (ActionAST)$ACTION);}
;

rules
@init {
    enterRules($start);
}
@after {
    exitRules($start);
}
: ^(RULES {discoverRules($RULES);} (rule|lexerRule)* {finishRules($RULES);})
;

mode
@init {
    enterMode($start);
}
@after {
    exitMode($start);
}
: ^( MODE ID {currentModeName=$ID.text; modeDef($MODE, $ID);} lexerRule* )
;

lexerRule
@init {
    enterLexerRule($start);
    List<GrammarAST> mods = new ArrayList<GrammarAST>();
    currentOuterAltNumber=0;

```

```

}
@after {
  exitLexerRule($start);
}
: ^( RULE TOKEN_REF
  {currentRuleName=$TOKEN_REF.text; currentRuleAST=$RULE;}
  (^ (RULEMODIFIERS m=FRAGMENT {mods.add($m);}))?
  {discoverLexerRule((RuleAST)$RULE, $TOKEN_REF, mods, (GrammarAST)input.LT(1));}
  lexerRuleBlock
  {
    finishLexerRule((RuleAST)$RULE, $TOKEN_REF, $lexerRuleBlock.start);
    currentRuleName=null; currentRuleAST=null;
  }
  )
;

rule
@init {
  enterRule($start);
  List<GrammarAST> mods = new ArrayList<GrammarAST>();
  List<GrammarAST> actions = new ArrayList<GrammarAST>(); // track roots
  currentOuterAltNumber=0;
}
@after {
  exitRule($start);
}
: ^( RULE RULE_REF {currentRuleName=$RULE_REF.text; currentRuleAST=$RULE;}
  (^ (RULEMODIFIERS (m=ruleModifier {mods.add($m.start);}))+)?
  ARG_ACTION?
  ret=ruleReturns?
  thr=throwsSpec?
  loc=locals?
  ( opts=optionsSpec
  | a=ruleAction {actions.add($a.start);}
  )*
  {discoverRule((RuleAST)$RULE, $RULE_REF, mods, (ActionAST)$ARG_ACTION,
    $ret.start!=null?(ActionAST)$ret.start.getChild(0):null,
    $thr.start, $opts.start,
    $loc.start!=null?(ActionAST)$loc.start.getChild(0):null,
    actions, (GrammarAST)input.LT(1));}
  ruleBlock exceptionGroup
  {finishRule((RuleAST)$RULE, $RULE_REF, $ruleBlock.start); currentRuleName=null; currentRuleAST=null;}
  )
;

exceptionGroup
@init {
  enterExceptionGroup($start);

```

```

}
@after {
  exitExceptionGroup($start);
}
: exceptionHandler* finallyClause?
;

exceptionHandler
@init {
  enterExceptionHandler($start);
}
@after {
  exitExceptionHandler($start);
}
: ^(CATCH ARG_ACTION ACTION) {ruleCatch($ARG_ACTION, (ActionAST)$ACTION);}
;

finallyClause
@init {
  enterFinallyClause($start);
}
@after {
  exitFinallyClause($start);
}
: ^(FINALLY ACTION) {finallyAction((ActionAST)$ACTION);}
;

locals
@init {
  enterLocals($start);
}
@after {
  exitLocals($start);
}
: ^(LOCALS ARG_ACTION)
;

ruleReturns
@init {
  enterRuleReturns($start);
}
@after {
  exitRuleReturns($start);
}
: ^(RETURNS ARG_ACTION)
;

throwsSpec

```

```

@init {
  enterThrowsSpec($start);
}
@after {
  exitThrowsSpec($start);
}
: ^(THROWS ID+)
;

```

ruleAction

```

@init {
  enterRuleAction($start);
}
@after {
  exitRuleAction($start);
}
: ^(AT ID ACTION)
;

```

ruleModifier

```

@init {
  enterRuleModifier($start);
}
@after {
  exitRuleModifier($start);
}
: PUBLIC
| PRIVATE
| PROTECTED
| FRAGMENT
;

```

lexerRuleBlock

```

@init {
  enterLexerRuleBlock($start);
}
@after {
  exitLexerRuleBlock($start);
}
: ^( BLOCK
  ( {
    currentOuterAltRoot = (GrammarAST)input.LT(1);
    currentOuterAltNumber++;
  }
  lexerOuterAlternative
)+
)
;

```

```

ruleBlock
@init {
  enterRuleBlock($start);
}
@after {
  exitRuleBlock($start);
}
: ^( BLOCK
  ( {
    currentOuterAltRoot = (GrammarAST)input.LT(1);
    currentOuterAltNumber++;
  }
  outerAlternative
  )+
  )
;

```

```

lexerOuterAlternative
@init {
  enterLexerOuterAlternative((AltAST)$start);
  discoverOuterAlt((AltAST)$start);
}
@after {
  finishOuterAlt((AltAST)$start);
  exitLexerOuterAlternative((AltAST)$start);
}
: lexerAlternative
;

```

```

outerAlternative
@init {
  enterOuterAlternative((AltAST)$start);
  discoverOuterAlt((AltAST)$start);
}
@after {
  finishOuterAlt((AltAST)$start);
  exitOuterAlternative((AltAST)$start);
}
: alternative
;

```

```

lexerAlternative
@init {
  enterLexerAlternative($start);
}
@after {

```

```

exitLexerAlternative($start);
}
: ^(LEXER_ALT_ACTION lexerElements lexerCommand+)
| lexerElements
;

```

```

lexerElements
@init {
enterLexerElements($start);
}
@after {
exitLexerElements($start);
}
: ^(ALT lexerElement+)
;

```

```

lexerElement
@init {
enterLexerElement($start);
}
@after {
exitLexerElement($start);
}
: labeledLexerElement
| lexerAtom
| lexerSubrule
| ACTION {actionInAlt((ActionAST)$ACTION);}
| SEMPRED {sempredInAlt((PredAST)$SEMPRED);}
| ^(ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
| ^(SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
| EPSILON
;

```

```

labeledLexerElement
@init {
enterLabeledLexerElement($start);
}
@after {
exitLabeledLexerElement($start);
}
: ^((ASSIGN|PLUS_ASSIGN) ID (lexerAtom|block))
;

```

```

lexerBlock
@init {
enterLexerBlock($start);
}
@after {

```

```
exitLexerBlock($start);
}
: ^(BLOCK optionsSpec? lexerAlternative+)
;
```

lexerAtom

```
@init {
  enterLexerAtom($start);
}
@after {
  exitLexerAtom($start);
}
: terminal
| ^(NOT blockSet)
| blockSet
| ^(WILDCARD elementOptions)
| WILDCARD
| LEXER_CHAR_SET
| range
| ruleref
;
```

actionElement

```
@init {
  enterActionElement($start);
}
@after {
  exitActionElement($start);
}
: ACTION
| ^(ACTION elementOptions)
| SEMPRED
| ^(SEMPRED elementOptions)
;
```

alternative

```
@init {
  enterAlternative((AltAST)$start);
  discoverAlt((AltAST)$start);
}
@after {
  finishAlt((AltAST)$start);
  exitAlternative((AltAST)$start);
}
: ^(ALT elementOptions? element+)
| ^(ALT elementOptions? EPSILON)
;
```

```

lexerCommand
@init {
  enterLexerCommand($start);
}
@after {
  exitLexerCommand($start);
}
: ^(LEXER_ACTION_CALL ID lexerCommandExpr)
  {lexerCallCommand(currentOuterAltNumber, $ID, $lexerCommandExpr.start);}
| ID
  {lexerCommand(currentOuterAltNumber, $ID);}
;

```

```

lexerCommandExpr
@init {
  enterLexerCommandExpr($start);
}
@after {
  exitLexerCommandExpr($start);
}
: ID
| INT
;

```

```

element
@init {
  enterElement($start);
}
@after {
  exitElement($start);
}
: labeledElement
| atom
| subrule
| ACTION    {actionInAlt((ActionAST)$ACTION);}
| SEMPRED   {sempredInAlt((PredAST)$SEMPRED);}
| ^(ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
| ^(SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
| range
| ^(NOT blockSet)
| ^(NOT block)
;

```

```

astOperand
@init {
  enterAstOperand($start);
}
@after {

```

```
exitAstOperand($start);
}
: atom
| ^(NOT blockSet)
| ^(NOT block)
;
```

labeledElement

```
@init {
  enterLabeledElement($start);
}
@after {
  exitLabeledElement($start);
}
: ^((ASSIGN|PLUS_ASSIGN) ID element) {label($start, $ID, $element.start);}
;
```

subrule

```
@init {
  enterSubrule($start);
}
@after {
  exitSubrule($start);
}
: ^(blockSuffix block)
| block
;
```

lexerSubrule

```
@init {
  enterLexerSubrule($start);
}
@after {
  exitLexerSubrule($start);
}
: ^(blockSuffix lexerBlock)
| lexerBlock
;
```

blockSuffix

```
@init {
  enterBlockSuffix($start);
}
@after {
  exitBlockSuffix($start);
}
: ebnfSuffix
;
```

```

ebnfSuffix
@init {
  enterEbnfSuffix($start);
}
@after {
  exitEbnfSuffix($start);
}
: OPTIONAL
| CLOSURE
| POSITIVE_CLOSURE
;

```

```

atom
@init {
  enterAtom($start);
}
@after {
  exitAtom($start);
}
: ^(DOT ID terminal)
| ^(DOT ID ruleref)
| ^(WILDCARD elementOptions) {wildcardRef($WILDCARD);}
| WILDCARD {wildcardRef($WILDCARD);}
| terminal
| blockSet
| ruleref
;

```

```

blockSet
@init {
  enterBlockSet($start);
}
@after {
  exitBlockSet($start);
}
: ^(SET setElement+)
;

```

```

setElement
@init {
  enterSetElement($start);
}
@after {
  exitSetElement($start);
}
: ^(STRING_LITERAL elementOptions) {stringRef((TerminalAST)$STRING_LITERAL);}
| ^(TOKEN_REF elementOptions) {tokenRef((TerminalAST)$TOKEN_REF);}

```

```

| STRING_LITERAL          {stringRef((TerminalAST)$STRING_LITERAL);}
| TOKEN_REF              {tokenRef((TerminalAST)$TOKEN_REF);}
| ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
{
stringRef((TerminalAST)$a);
stringRef((TerminalAST)$b);
}
| LEXER_CHAR_SET
;

```

block

```

@init {
enterBlock($start);
}
@after {
exitBlock($start);
}
: ^(BLOCK optionsSpec? ruleAction* ACTION? alternative+)
;

```

ruleref

```

@init {
enterRuleref($start);
}
@after {
exitRuleref($start);
}
: ^(RULE_REF arg=ARG_ACTION? elementOptions?)
{
ruleRef($RULE_REF, (ActionAST)$ARG_ACTION);
if ( $arg!=null ) actionInAlt((ActionAST)$arg);
}
;

```

range

```

@init {
enterRange($start);
}
@after {
exitRange($start);
}
: ^(RANGE STRING_LITERAL STRING_LITERAL)
;

```

terminal

```

@init {
enterTerminal($start);
}

```

```

@after {
    exitTerminal($start);
}
: ^(STRING_LITERAL elementOptions)
    {stringRef((TerminalAST)$STRING_LITERAL);}
| STRING_LITERAL {stringRef((TerminalAST)$STRING_LITERAL);}
| ^(TOKEN_REF elementOptions) {tokenRef((TerminalAST)$TOKEN_REF);}
| TOKEN_REF {tokenRef((TerminalAST)$TOKEN_REF);}
;

elementOptions
@init {
    enterElementOptions($start);
}
@after {
    exitElementOptions($start);
}
: ^(ELEMENT_OPTIONS elementOption[(GrammarASTWithOptions)$start.getParent()]*);

elementOption[GrammarASTWithOptions t]
@init {
    enterElementOption($start);
}
@after {
    exitElementOption($start);
}
: ID {elementOption(t, $ID, null);}
| ^(ASSIGN id=ID v=ID) {elementOption(t, $id, $v);}
| ^(ASSIGN ID v=STRING_LITERAL) {elementOption(t, $ID, $v);}
| ^(ASSIGN ID v=ACTION) {elementOption(t, $ID, $v);}
| ^(ASSIGN ID v=INT) {elementOption(t, $ID, $v);}
;

```

Found in path(s):

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/GrammarTreeVisitor.g

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\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/ATNBuilder.java

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\*/

```
tree grammar BlockSetTransformer;
options {
  language = Java;
  tokenVocab = ANTLRParser;
  ASTLabelType = GrammarAST;
  output = AST;
  filter = true;
}

@header {
package org.antlr.v4.parse;
import org.antlr.v4.misc.Utils;
import org.antlr.v4.misc.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.util.List;
import java.util.Set;
import java.util.HashSet;
import java.util.ArrayList;
import org.antlr.v4.runtime.misc.IntervalSet;
}

@members {
public String currentRuleName;
public GrammarAST currentAlt;
public Grammar g;
public BlockSetTransformer(TreeNodeStream input, Grammar g) {
  this(input, new RecognizerSharedState());
  this.g = g;
}
}

topdown
  : ^(RULE (id=TOKEN_REF|id=RULE_REF) {currentRuleName=$id.text;} .+)
  | setAlt
  | ebnfBlockSet
  | blockSet
  ;

setAlt
  : {inContext("RULE BLOCK")}?
  ALT {currentAlt = $start;}
  ;

// (BLOCK (ALT (+ (BLOCK (ALT INT) (ALT ID))))))
```

```

ebnfBlockSet
@after {
GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: ^(ebnfSuffix blockSet) -> ^(ebnfSuffix ^(BLOCK<BlockAST> ^(ALT<AltAST> blockSet)))
;

ebnfSuffix
@after {$tree = (GrammarAST)adaptor.dupNode($start);}
: OPTIONAL
| CLOSURE
| POSITIVE_CLOSURE
;

blockSet
@init {
boolean inLexer = Grammar.isTokenName(currentRuleName);
}
@after {
GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: {inContext("RULE")}? // top-level: rule block and > 1 alt
^(BLOCK ^(alt=ALT elementOptions? {((AltAST)$alt).altLabel==null}? setElement[inLexer]) ( ^(ALT
elementOptions? setElement[inLexer]) )+
-> ^(BLOCK<BlockAST>[$BLOCK.token] ^(ALT<AltAST>[$BLOCK.token,"ALT"] ^(SET[$BLOCK.token,
"SET"] setElement+)))
| {!inContext("RULE")}? // if not rule block and > 1 alt
^(BLOCK ^(ALT elementOptions? setElement[inLexer]) ( ^(ALT elementOptions? setElement[inLexer]) )+
-> ^(SET[$BLOCK.token, "SET"] setElement+))
;

setElement[boolean inLexer]
@after {
GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: ( ^(a=STRING_LITERAL elementOptions) {!inLexer ||
CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1}?
| a=STRING_LITERAL {!inLexer || CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1}?
| {!inLexer}?=> ^(TOKEN_REF elementOptions)
| {!inLexer}?=> TOKEN_REF
| {inLexer}?=> ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
{CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1 &&
CharSupport.getCharValueFromGrammarCharLiteral($b.getText())!=-1}?
)
;

elementOptions
: ^(ELEMENT_OPTIONS elementOption*)

```

;

elementOption

: ID

| ^(ASSIGN id=ID v=ID)

| ^(ASSIGN ID v=STRING\_LITERAL)

| ^(ASSIGN ID v=ACTION)

| ^(ASSIGN ID v=INT)

;

Found in path(s):

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/BlockSetTransformer.g

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\*/

// args must be <object-model-object>, <fields-resulting-in-STs>

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<

```

<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<namedActions.header>
using System;
using System.IO;
using System.Text;
using System.Diagnostics;
using System.Collections.Generic;
using Antlr4.Runtime;
using Antlr4.Runtime.Atn;
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using DFA = Antlr4.Runtime.Dfa.DFA;

<parser>
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using IParseTreeListener = Antlr4.Runtime.Tree.IParseTreeListener;
using IToken = Antlr4.Runtime.IToken;

/// \<summary>
/// This interface defines a complete listener for a parse tree produced by
/// \<see cref="<csIdentifier.(file.parserName)>"/>.
/// \</summary>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Listener : IParseTreeListener {
    <file.listenerNames> {Iname |
    /// \<summary>
    <if(file.listenerLabelRuleNames.(Iname))>
    /// Enter a parse tree produced by the \<c><Iname>\</c>
    /// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(Iname)>"/>.
    <else>
    /// Enter a parse tree produced by \<see cref="<file.parserName>.<Iname>"/>.
    <endif>
    }
    /// \</summary>

```

```

/// \<param name="context">The parse tree.\</param>
void Enter<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname; format="cap">Context
context);
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Exit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>">.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<lname>">.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
void Exit<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname; format="cap">Context
context);}; separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>

```

```

using Antlr4.Runtime.Misc;
using IErrorNode = Antlr4.Runtime.Tree.IErrorNode;
using ITerminalNode = Antlr4.Runtime.Tree.ITerminalNode;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

```

```

/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Listener">,
/// which can be extended to create a listener which only needs to handle a subset
/// of the available methods.
/// \</summary>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseListener : I<file.grammarName>Listener {
<file.listenerNames: {lname |
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Enter a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>">.
<else>
/// Enter a parse tree produced by \<see cref="<file.parserName>.<lname>">.

```

```

<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Enter<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname;
format="cap">Context context) { \}
/// \</summary>
<if(file.listenerLabelRuleNames.(Iname))>
/// Exit a parse tree produced by the \<c><Iname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(Iname)>">.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<Iname>">.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Exit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname;
format="cap">Context context) { \} }; separator="\n">

/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void EnterEveryRule([NotNull] ParserRuleContext context) { }
/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void ExitEveryRule([NotNull] ParserRuleContext context) { }
/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void VisitTerminal([NotNull] ITerminalNode node) { }
/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void VisitErrorNode([NotNull] IErrorNode node) { }
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;

/// \</summary>

```

```

/// This interface defines a complete generic visitor for a parse tree produced
/// by \<see cref="<csIdentifier.(file.parserName)>"/>.
/// \</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Visitor<Result> : IParseTreeVisitor<Result> {
    <file.visitorNames:{ Iname |
/// \<summary>
<if(file.visitorLabelRuleNames.(Iname))>
/// Visit a parse tree produced by the \<c><Iname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(Iname)>"/>.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<Iname>"/>.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
Result Visit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname; format="cap">Context
context);}; separator="\n">
    }
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Visitor{Result}"/>,
/// which can be extended to create a visitor which only needs to handle a subset
/// of the available methods.
/// \</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseVisitor<Result> : AbstractParseTreeVisitor<Result>,
I<file.grammarName>Visitor<Result> {
    <file.visitorNames:{ Iname |

```

```

/// \<summary>
<if(file.visitorLabelRuleNames.(Iname))>
/// Visit a parse tree produced by the \<c><Iname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(Iname)>">/.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<Iname>">/.
<endif>
/// \<para>
/// The default implementation returns the result of calling \<see
cref="AbstractParseTreeVisitor{Result\}.VisitChildren(IRuleNode)">
/// on \<paramref name="context">.
/// \</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
public virtual Result Visit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname;
format="cap">Context context) { return VisitChildren(context); \}; separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
//-----
// \<auto-generated>
// This code was generated by a tool.
// ANTLR Version: <ANTLRVersion>
//
// Changes to this file may cause incorrect behavior and will be lost if
// the code is regenerated.
// \</auto-generated>
//-----

// Generated from <grammarFileName> by ANTLR <ANTLRVersion>

// Unreachable code detected
#pragma warning disable 0162
// The variable '...' is assigned but its value is never used
#pragma warning disable 0219
// Missing XML comment for publicly visible type or member '...'
#pragma warning disable 1591
// Ambiguous reference in cref attribute
#pragma warning disable 419

>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<

```

```
<Parser_(ctor="parser_ctor", ...)>
```

```
>>
```

```
Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <csIdentifier.(parser.name)> : <superClass>; null="Parser"> {
    protected static DFA[] decisionToDFA;
    protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
    <if(parser.tokens)>
    public const int
        <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>
    public const int
        <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
    public static readonly string[] ruleNames = {
        <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
    };

    <vocabulary(parser.literalNames, parser.symbolicNames)>

    public override string GrammarFileName { get { return "<parser.grammarFileName>"; } }

    public override string[] RuleNames { get { return ruleNames; } }

    public override string SerializedAtn { get { return new string(_serializedATN); } }

    static <csIdentifier.(parser.name)>() {
        decisionToDFA = new DFA[_ATN.NumberOfDecisions];
        for (int i = 0; i < _ATN.NumberOfDecisions; i++) {
            decisionToDFA[i] = new DFA(_ATN.GetDecisionState(i), i);
        }
    }

    <namedActions.members>
    <parser:(ctor)()>
    <funcs; separator="\n">

    <if(sempredFuncs)>
    public override bool Sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
        switch (ruleIndex) {
            <parser.sempredFuncs.values:{f}
            case <f.ruleIndex>: return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
        }
        return true;
    }
    <sempredFuncs.values; separator="\n">
    <endif>
```

```

<atn>
}
>>

vocabulary(literalNames, symbolicNames) ::= <<
private static readonly string[] _LiteralNames = {
<literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
private static readonly string[] _SymbolicNames = {
<symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
public static readonly IVocabulary DefaultVocabulary = new Vocabulary(_LiteralNames, _SymbolicNames);

[NotNull]
public override IVocabulary Vocabulary
{
get
{
return DefaultVocabulary;
}
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
public override void Action(RuleContext _localctx, int ruleIndex, int actionIndex) {
switch (ruleIndex) {
<recog.actionFuncs.values:{f}
case <f.ruleIndex> : <f.name>_action(<if(!recog.modes)>(<f.ctxType>)<endif>_localctx, actionIndex); break;};
separator="\n">
}
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
public override bool Sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
switch (ruleIndex) {
<recog.sempredFuncs.values:{f}
case <f.ruleIndex> : return <f.name>_sempred(<if(!recog.modes)>(<f.ctxType>)<endif>_localctx, predIndex);};
separator="\n">
}
return true;
}
<sempredFuncs.values; separator="\n">
<endif>
>>

```

```

parser_ctor(parser) ::= <<
public <csIdentifier.(parser.name)>(ITokenStream input) : this(input, Console.Out, Console.Error) { }

public <csIdentifier.(parser.name)>(ITokenStream input, TextWriter output, TextWriter errorOutput)
: base(input, output, errorOutput)
{
Interpreter = new ParserATNSimulator(this, _ATN, decisionToDFA, sharedContextCache);
}
>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<
private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {
switch (actionIndex) {
<actions:{index|
case <index>: <actions.(index)> break;}; separator="\n">
}
}
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private bool <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
switch (predIndex) {
<actions:{index|
case <index>: return <actions.(index)>;}; separator="\n">
}
return true;
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<if(ruleCtx)>
<ruleCtx>
<endif>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

[RuleVersion(<namedActions.version; null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)>(<args; separator=", ">) {
<currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier.(a.name)>>>);

```

```

EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
<namedActions.init>
<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
int _alt;
<endif>
<code>
<postamble; separator="\n">
<namedActions.after>
}
<if(exceptions)>
<exceptions; separator="\n">
<else>
catch (RecognitionException re) {
_localctx.exception = re;
ErrorHandler.ReportError(this, re);
ErrorHandler.Recover(this, re);
}
<endif>
finally {
<finallyAction>
ExitRule();
}
return _localctx;
}
>>

```

```

LeftFactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>private <endif><currentRule.ctxType>
<csIdentifier(currentRule.name)>(<args; separator=", ">) {
<currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier(a.name)>}>);
EnterLeftFactoredRule(_localctx, <currentRule.startState>, RULE_<currentRule.variantOf>);
<namedActions.init>
<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
int _alt;
<endif>
<code>
<postamble; separator="\n">
<namedActions.after>
}
catch (RecognitionException re) {
_localctx.exception = re;

```

```

    ErrorHandler.ReportError(this, re);
    ErrorHandler.Recover(this, re);
}
finally {
    <finallyAction>
    ExitRule();
}
return _localctx;
}
>>

// This behaves similar to RuleFunction (enterRule is called, and no adjustments
// are made to the parse tree), but since it's still a variant no context class
// needs to be generated.
LeftUnfactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>private <endif><currentRule.ctxType>
<csIdentifier(currentRule.name)><(args; separator=", "> {
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier(a.name)>}>>);
    EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.variantOf>);
    <namedActions.init>
    <locals; separator="\n">
    try {
    <if(currentRule.hasLookaheadBlock)>
        int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
    }
    catch (RecognitionException re) {
        _localctx.exception = re;
        ErrorHandler.ReportError(this, re);
        ErrorHandler.Recover(this, re);
    }
    finally {
    <finallyAction>
    ExitRule();
    }
    return _localctx;
}
>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

[RuleVersion(<namedActions.version; null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public <endif><currentRule.ctxType>
<csIdentifier(currentRule.name)>(<args; separator=", "> {
  return <csIdentifier(currentRule.name)>(0<currentRule.args:{a | , <csIdentifier(a.name)>>});
}

private <currentRule.ctxType> <csIdentifier(currentRule.name)>(int _p<args:{a | , <a>>}) {
  ParserRuleContext _parentctx = Context;
  int _parentState = State;
  <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, _parentState<currentRule.args:{a | ,
<csIdentifier(a.name)>>});
  <currentRule.ctxType> _prevctx = _localctx;
  int _startState = <currentRule.startState>;
  EnterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
  <namedActions.init>
  <locals; separator="\n">
  try {
<if(currentRule.hasLookaheadBlock)>
  int _alt;
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
  }
  catch (RecognitionException re) {
    _localctx.exception = re;
    ErrorHandler.ReportError(this, re);
    ErrorHandler.Recover(this, re);
  }
  finally {
  <finallyAction>
  UnrollRecursionContexts(_parentctx);
  }
  return _localctx;
}
>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
EnterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
{
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
}
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
<error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<preamble; separator="\n">
if (<expr>) {
<alts; separator="\n">
}
<!else if ( !(<followExpr> ) ) <error!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<preamble; separator="\n">

```

```

while (<loopExpr>) {
  <alts; separator="\n">
  State = <choice.loopBackStateNumber>;
  ErrorHandler.Sync(this);
  <iteration>
}
>>

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
State = <choice.blockStartStateNumber>;<! alt block decision !>
ErrorHandler.Sync(this);
<preamble; separator="\n">
do {
  <alts; separator="\n">
  State = <choice.stateNumber>;<! loopback/exit decision !>
  ErrorHandler.Sync(this);
  <iteration>
} while ( <loopExpr> );
>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>
<preamble; separator="\n">
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {
<alts:{ alt |
case <i>:
  <alt>
  break;}; separator="\n">
}
>>

OptionalBlock(choice, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {
<alts:{ alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
  break;}; separator="\n">
}
>>

StarBlock(choice, alts, sync, iteration) ::= <<
State = <choice.stateNumber>;

```

```

ErrorHandler.Sync(this);
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER ) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
<iteration>
<alts> <! should only be one !>
}
State = <choice.loopBackStateNumber>;
ErrorHandler.Sync(this);
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
State = <choice.blockStartStateNumber>;<! alt block decision !>
ErrorHandler.Sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
switch ( _alt ) {
<alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
default:
<error>
}
State = <choice.loopBackStateNumber>;<! loopback/exit decision !>
ErrorHandler.Sync(this);
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
} while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER );
>>

```

```

Sync(s) ::= "Sync(<s.expecting.name>);"

```

```

ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"

```

```

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

```

```

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

```

```

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%

```

```

(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1L \<\< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ ttype | (1L \<\< <offsetShift(tokenType.(ttype), bits.shift)>)}; separator=" | ">) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes: { ttype | <s.varName>==<tokenType.(ttype)>} ; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes: { t | case <tokenType.(t)>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
State = <r.stateNumber>; <if(r.labels)><r.labels: {1 | <labelref(l)> =
}><endif><csIdentifier.(r.name)><(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><arg
ExprsChunks>);
>>

MatchToken(m) ::= <<
State = <m.stateNumber>; <if(m.labels)><m.labels: {1 | <labelref(l)> = }><endif>Match(<tokenType.(m.name)>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
State = <m.stateNumber>;
<if(m.labels)><m.labels: {1 | <labelref(l)> = }>TokenStream.LT(1);<endif>
<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif><(<expr>) ) {
<if(m.labels)><m.labels: {1 | <labelref(l)> = }><endif>ErrorHandler.RecoverInline(this);
}
else {
ErrorHandler.ReportMatch(this);
Consume();
}
>>

```

```

Wildcard(w) ::= <<
State = <w.stateNumber>;
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>MatchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
State = <p.stateNumber>;
if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "Skip();"
LexerMoreCommand() ::= "More();"
LexerPopModeCommand() ::= "PopMode();"

LexerTypeCommand(arg, grammar) ::= "_type = <tokenType.(arg)>";
LexerChannelCommand(arg, grammar) ::= "_channel = <channelName.(arg)>";
LexerModeCommand(arg, grammar) ::= "_mode = <modeName.(arg)>";
LexerPushModeCommand(arg, grammar) ::= "PushMode(<modeName.(arg)>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
LocalRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
RetValRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<csIdentifier.(a.name)>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<csIdentifier.(tokenType.(t.name))>"
LabelRef(t) ::= "<ctx(t)>.<csIdentifier.(t.name)>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(csIdentifier.(t.name))>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<csIdentifier.(s.name)> = <rhsChunks>";

TokenLabelType() ::= "<file.TokenLabelType; null={IToken}>"

```

```

InputSymbolType() ::= "<file.InputSymbolType; null={IToken}>"

TokenPropertyRef_text(t) ::= "<ctx(t).<tokenType.(t.label)>!=null?<ctx(t).<tokenType.(t.label)>.Text:null)"
TokenPropertyRef_type(t) ::= "<ctx(t).<tokenType.(t.label)>!=null?<ctx(t).<tokenType.(t.label)>.Type:0)"
TokenPropertyRef_line(t) ::= "<ctx(t).<tokenType.(t.label)>!=null?<ctx(t).<tokenType.(t.label)>.Line:0)"
TokenPropertyRef_pos(t) ::=
"<ctx(t).<tokenType.(t.label)>!=null?<ctx(t).<tokenType.(t.label)>.CharPositionInLine:0)"
TokenPropertyRef_channel(t) ::=
"<ctx(t).<tokenType.(t.label)>!=null?<ctx(t).<tokenType.(t.label)>.Channel:0)"
TokenPropertyRef_index(t) ::=
"<ctx(t).<tokenType.(t.label)>!=null?<ctx(t).<tokenType.(t.label)>.TokenIndex:0)"
TokenPropertyRef_int(t) ::=
"<ctx(t).<tokenType.(t.label)>!=null?int.Parse(<ctx(t).<tokenType.(t.label)>.Text):0)"

RulePropertyRef_start(r) ::= "<ctx(r).<r.label>!=null?(<ctx(r).<r.label>.Start):null)"
RulePropertyRef_stop(r) ::= "<ctx(r).<r.label>!=null?(<ctx(r).<r.label>.Stop):null)"
RulePropertyRef_text(r) ::=
"<ctx(r).<r.label>!=null?TokenStream.GetText(<ctx(r).<r.label>.Start,<ctx(r).<r.label>.Stop):null)"
RulePropertyRef_ctx(r) ::= "<ctx(r).<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.Start"
ThisRulePropertyRef_stop(r) ::= "_localctx.Stop"
ThisRulePropertyRef_text(r) ::= "TokenStream.GetText(_localctx.Start, TokenStream.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= <%((<s.ruleName;
format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<csIdentifier.(s.name)>%>
SetNonLocalAttr(s, rhsChunks) ::=
<%((<s.ruleName; format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<csIdentifier.(s.name)> =
<rhsChunks>;%>

AddToLabelList(a) ::= "<ctx(a.label).<a.listName>.Add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType() <csIdentifier.(tokenType.(t.name))>"
TokenTypeDecl(t) ::= "int <csIdentifier.(tokenType.(t.name))>);"
TokenListDecl(t) ::= "IList<IToken> <csIdentifier.(tokenType.(t.name))> = new List<IToken>()"
RuleContextDecl(r) ::= "<r.ctxName> <csIdentifier.(r.name)>"
RuleContextListDecl(rdecl) ::= "IList<<rdecl.ctxName>> <csIdentifier.(rdecl.name)> = new
List<<rdecl.ctxName>>()"

contextGetterCollection(elementType) ::= <%
<elementType>[]
%>

ContextTokenGetterDecl(t) ::=
"public ITerminalNode <csIdentifier.(tokenType.(t.name))>() { return

```

```

GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, 0); }"
ContextTokenListGetterDecl(t) ::= <<
public <contextGetterCollection("ITerminalNode")> <csIdentifier.(tokenType.(t.name))>() { return
GetTokens(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>); }
>>
ContextTokenListIndexedGetterDecl(t) ::= <<
public ITerminalNode <csIdentifier.(tokenType.(t.name))>(int i) {
return GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, i);
}
>>
ContextRuleGetterDecl(r) ::= <<
public <r.ctxName> <csIdentifier.(r.name)>() {
return GetRuleContext\<<r.ctxName>\>(0);
}
>>
ContextRuleListGetterDecl(r) ::= <<
public <contextGetterCollection({<r.ctxName>})> <csIdentifier.(r.name)>() {
return GetRuleContexts\<<r.ctxName>\>();
}
>>
ContextRuleListIndexedGetterDecl(r) ::= <<
public <r.ctxName> <csIdentifier.(r.name)>(int i) {
return GetRuleContext\<<r.ctxName>\>(i);
}
>>

```

```

LexerRuleContext() ::= "RuleContext"

```

```

/** The rule context name is the rule followed by a suffix; e.g.,
* r becomes rContext.
*/

```

```

RuleContextNameSuffix() ::= "Context"

```

```

ImplicitTokenLabel(tokenName) ::= "_<tokenType.(tokenName)>"

```

```

ImplicitRuleLabel(ruleName) ::= "_<ruleName>"

```

```

ImplicitSetLabel(id) ::= "_tset<id>"

```

```

ListLabelName(label) ::= "_<label>"

```

```

CaptureNextToken(d) ::= "<d.varName> = TokenStream.LT(1);"

```

```

CaptureNextTokenType(d) ::= "<d.varName> = TokenStream.LA(1);"

```

```

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers,
superClass={ParserRuleContext}) ::= <<

```

```

public partial class <struct.name> :

```

```

<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces>
separator=", "><endif> {

```

```

<attrs:{a | public <a>;}; separator="\n">

```

```

<getters:{g | <g>;}; separator="\n">

```

```

<if(ctorAttrs)>public <struct.name>(ParserRuleContext parent, int invokingState) : base(parent, invokingState) {
}<endif>
public <struct.name>(ParserRuleContext parent, int invokingState<ctorAttrs:{ a | , <a>}>)
: base(parent, invokingState)
{
<struct.ctorAttrs:{ a | this.<csIdentifier.(a.name)> = <csIdentifier.(a.name)>;}; separator="\n">
}
public override int RuleIndex { get { return RULE_<struct.derivedFromName>; } }
<if(struct.provideCopyFrom)><! don't need copy unless we have subclasses !>
public <struct.name>() { }
public virtual void CopyFrom(<struct.name> context) {
base.CopyFrom(context);
<struct.attrs:{ a | this.<csIdentifier.(a.name)> = context.<csIdentifier.(a.name)>;}; separator="\n">
}
<endif>
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">
}
>>

```

```

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
public partial class <struct.name> : <currentRule.name; format="cap">Context {
<attrs:{ a | public <a>;}; separator="\n">
<getters:{ g | <g>;}; separator="\n">
public <struct.name>(<currentRule.name; format="cap">Context context) { CopyFrom(context); }
<dispatchMethods; separator="\n">
}
>>

```

```

ListenerDispatchMethod(method) ::= <<
public override void <if(method.isEnter)>Enter<else>Exit<endif>Rule(IParseTreeListener listener) {
I<parser.grammarName>Listener typedListener = listener as I<parser.grammarName>Listener;
if (typedListener != null) typedListener.<if(method.isEnter)>Enter<else>Exit<endif><struct.derivedFromName;
format="cap">(this);
}
>>

```

```

VisitorDispatchMethod(method) ::= <<
public override TResult Accept<TResult>(IParseTreeVisitor<TResult> visitor) {
I<parser.grammarName>Visitor<TResult> typedVisitor = visitor as I<parser.grammarName>Visitor<TResult>;
if (typedVisitor != null) return typedVisitor.Visit<struct.derivedFromName; format="cap">(this);
else return visitor.VisitChildren(this);
}
>>

```

```

AttributeDecl(d) ::= "<d.type> <csIdentifier.(d.name)><if(d.initValue)> = <d.initValue><endif>"

```

```

/** If we don't know location of label def x, use this template */

```

```
labelref(x) ::= "<!(x.isLocal)><typedContext(x.ctx)>.<endif><csIdentifier.(x.name)>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */
```

```
ctx(actionChunk) ::= "<typedContext(actionChunk.ctx)>"
```

```
// only casts _localctx to the type when the cast isn't redundant (i.e. to a sub-context for a labeled alt)
```

```
typedContext(ctx) ::= "<if(ctx.provideCopyFrom)>((<ctx.name>)_localctx)<else>_localctx<endif>"
```

```
// used for left-recursive rules
```

```
recRuleAltPredicate(ruleName,opPrec) ::= "Precpred(Context, <opPrec>)"
```

```
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"
```

```
recRuleSetStopToken() ::= "Context.Stop = TokenStream.LT(-1);"
```

```
recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
```

```
_localctx = new <ctxName>Context(_parentctx, _parentState);
```

```
<if(label)>
```

```
<if(isListLabel)>
```

```
_localctx.<label>.Add(_prevctx);
```

```
<else>
```

```
_localctx.<label> = _prevctx;
```

```
<endif>
```

```
<endif>
```

```
PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
```

```
>>
```

```
recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
```

```
_localctx = new <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,  
_parentState));
```

```
<if(label)>
```

```
<if(isListLabel)>
```

```
((<currentAltLabel; format="cap">Context)_localctx).<label>.Add(_prevctx);
```

```
<else>
```

```
((<currentAltLabel; format="cap">Context)_localctx).<label> = _prevctx;
```

```
<endif>
```

```
<endif>
```

```
PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
```

```
>>
```

```
recRuleReplaceContext(ctxName) ::= <<
```

```
_localctx = new <ctxName>Context(_localctx);
```

```
Context = _localctx;
```

```
_prevctx = _localctx;
```

```
>>
```

```
recRuleSetPrevCtx() ::= <<
```

```
if ( ParseListeners!=null )
```

```
TriggerExitRuleEvent();
```

```
_prevctx = _localctx;
```

>>

```
LexerFile(file, lexer, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<namedActions.header>
using System;
using System.IO;
using System.Text;
using Antlr4.Runtime;
using Antlr4.Runtime.Atn;
using Antlr4.Runtime.Misc;
using DFA = Antlr4.Runtime.Dfa.DFA;

<lexer>
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>
```

```
Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <csIdentifier.(lexer.name)> : <superClass; null="Lexer"> {
protected static DFA[] decisionToDFA;
protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
public const int
<lexer.tokens:{k | <tokenType.(k)>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
<if(lexer.channels)>
public const int
<lexer.channels:{k | <csIdentifier.(k)>=<lexer.channels.(k)>}; separator=", ", wrap, anchor>;
<endif>
<if(rest(lexer.modes))>
public const int
<rest(lexer.modes){m | <m>=<i>}; separator=", ", wrap, anchor>;
<endif>
public static string[] channelNames = {
"DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c | "<c>"}; separator=", ",
wrap, anchor><endif>
};

public static string[] modeNames = {
<lexer.modes:{m | "<m>"}; separator=", ", wrap, anchor>
};
};
```

```

public static readonly string[] ruleNames = {
    <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
};

<namedActions.members>

public <csIdentifier.(lexer.name)>(ICharStream input)
: this(input, Console.Out, Console.Error) { }

public <csIdentifier.(lexer.name)>(ICharStream input, TextWriter output, TextWriter errorOutput)
: base(input, output, errorOutput)
{
    Interpreter = new LexerATNSimulator(this, _ATN, decisionToDFA, sharedContextCache);
}

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

public override string GrammarFileName { get { return "<lexer.grammarFileName>"; } }

public override string[] RuleNames { get { return ruleNames; } }

public override string[] ChannelNames { get { return channelNames; } }

public override string[] ModeNames { get { return modeNames; } }

public override string SerializedAtn { get { return new string(_serializedATN); } }

static <csIdentifier.(lexer.name)>() {
    decisionToDFA = new DFA[_ATN.NumberOfDecisions];
    for (int i = 0; i < _ATN.NumberOfDecisions; i++) {
        decisionToDFA[i] = new DFA(_ATN.GetDecisionState(i), i);
    }
}

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

SerializedATN(model) ::= <<
private static char[] _serializedATN = {
    <model.serialized; separator=", ", wrap>,
};

public static readonly ATN _ATN =
    new ATNDeserializer().Deserialize(_serializedATN);

```

>>

```
initValue(typeName) ::= <<  
default(<typeName>)
```

>>

```
codeFileExtension() ::= ".cs"
```

```
modeName ::= [  
  "DEFAULT_MODE" : "DefaultMode",  
  default : key  
]
```

```
channelName ::= [  
  "HIDDEN" : "Hidden",  
  "DEFAULT_TOKEN_CHANNEL" : "DefaultTokenChannel",  
  default : key  
]
```

```
tokenType ::= [  
  "EOF" : "Eof",  
  default : key  
]
```

```
csIdentifier ::= [  
  "abstract" : "@abstract",  
  "as" : "@as",  
  "base" : "@base",  
  "bool" : "@bool",  
  "break" : "@break",  
  "byte" : "@byte",  
  "case" : "@case",  
  "catch" : "@catch",  
  "char" : "@char",  
  "checked" : "@checked",  
  "class" : "@class",  
  "const" : "@const",  
  "continue" : "@continue",  
  "decimal" : "@decimal",  
  "default" : "@default",  
  "delegate" : "@delegate",  
  "do" : "@do",  
  "double" : "@double",  
  "else" : "@else",  
  "enum" : "@enum",  
  "event" : "@event",  
  "explicit" : "@explicit",  
  "extern" : "@extern",
```

"false" : "@false",  
"finally" : "@finally",  
"fixed" : "@fixed",  
"float" : "@float",  
"for" : "@for",  
"foreach" : "@foreach",  
"goto" : "@goto",  
"if" : "@if",  
"implicit" : "@implicit",  
"in" : "@in",  
"int" : "@int",  
"interface" : "@interface",  
"internal" : "@internal",  
"is" : "@is",  
"lock" : "@lock",  
"long" : "@long",  
"namespace" : "@namespace",  
"new" : "@new",  
"null" : "@null",  
"object" : "@object",  
"operator" : "@operator",  
"out" : "@out",  
"override" : "@override",  
"params" : "@params",  
"private" : "@private",  
"protected" : "@protected",  
"public" : "@public",  
"readonly" : "@readonly",  
"ref" : "@ref",  
"return" : "@return",  
"sbyte" : "@sbyte",  
"sealed" : "@sealed",  
"short" : "@short",  
"sizeof" : "@sizeof",  
"stackalloc" : "@stackalloc",  
"static" : "@static",  
"string" : "@string",  
"struct" : "@struct",  
"switch" : "@switch",  
"this" : "@this",  
"throw" : "@throw",  
"true" : "@true",  
"try" : "@try",  
"typeof" : "@typeof",  
"uint" : "@uint",  
"ulong" : "@ulong",  
"unchecked" : "@unchecked",  
"unsafe" : "@unsafe",

```
"ushort" : "@ushort",
"using" : "@using",
"virtual" : "@virtual",
"values" : "@values",
"void" : "@void",
"volatile" : "@volatile",
"while" : "@while",
default : key
]
```

Found in path(s):

```
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/tool/templates/codegen/CSharp/CSharp.stg
```

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```

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```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
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```

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 */

/** Find left-recursive rules */
tree grammar LeftRecursiveRuleWalker;

options {
    tokenVocab=ANTLRParser;
    ASTLabelType=GrammarAST;
}

@header {
package org.antlr.v4.parse;

import org.antlr.v4.misc.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
}
```

```

@members {
private String ruleName;
private int currentOuterAltNumber; // which outer alt of rule?
public int numAlts; // how many alts for this rule total?

public void setAltAssoc(AltAST altTree, int alt) {}
public void binaryAlt(AltAST altTree, int alt) {}
public void prefixAlt(AltAST altTree, int alt) {}
public void suffixAlt(AltAST altTree, int alt) {}
public void otherAlt(AltAST altTree, int alt) {}
public void setReturnValues(GrammarAST t) {}
}

@rulecatch { }

// TODO: can get parser errors for not matching pattern; make them go away
public
rec_rule returns [boolean isLeftRec]
@init
{
currentOuterAltNumber = 1;
}
: ^( r=RULE id=RULE_REF {ruleName=$id.getText();}
ruleModifier?
// (ARG_ACTION)? shouldn't allow args, right?
^(RETURNS a=ARG_ACTION {setReturnValues($a);}))?
// (^(THROWS .+)) ? don't allow
(^(LOCALS ARG_ACTION)) ? // TODO: copy these to gen'd code
(^(OPTIONS .*)
| ^(AT ID ACTION) // TODO: copy
)*
ruleBlock { $isLeftRec = $ruleBlock.isLeftRec; }
exceptionGroup
)
;

exceptionGroup
: exceptionHandler* finallyClause?
;

exceptionHandler
: ^(CATCH ARG_ACTION ACTION)
;

finallyClause
: ^(FINALLY ACTION)
;

```

```

ruleModifier
  : PUBLIC
  | PRIVATE
  | PROTECTED
  ;

ruleBlock returns [boolean isLeftRec]
@init{boolean lr=false; this.numAlts = $start.getChildCount();}
: ^( BLOCK
  (
    o=outerAlternative
    {if ($o.isLeftRec) $isLeftRec = true;}
    {currentOuterAltNumber++;}
  )+
)
;

/** An alt is either prefix, suffix, binary, or ternary operation or "other" */
outerAlternative returns [boolean isLeftRec]
: (binary)=>    binary
    {binaryAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
| (prefix)=>    prefix
    {prefixAlt((AltAST)$start, currentOuterAltNumber);}
| (suffix)=>    suffix
    {suffixAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
| nonLeftRecur {otherAlt((AltAST)$start, currentOuterAltNumber);}
;

binary
: ^( ALT elementOptions? recurse element* recurse epsilonElement* )
    {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

prefix
: ^( ALT elementOptions?
  element+
  recurse epsilonElement*
)
    {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

suffix
: ^( ALT elementOptions? recurse element+ )
    {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

nonLeftRecur
: ^(ALT elementOptions? element+)

```

```

;

recurse
: ^(ASSIGN ID recurseNoLabel)
| ^(PLUS_ASSIGN ID recurseNoLabel)
| recurseNoLabel
;

recurseNoLabel : {((CommonTree)input.LT(1)).getText().equals(ruleName)}? RULE_REF;

token returns [GrammarAST t=null]
: ^(ASSIGN ID s=token {$t = $s.t;})
| ^(PLUS_ASSIGN ID s=token {$t = $s.t;})
| b=STRING_LITERAL    {$t = $b;}
| ^(b=STRING_LITERAL elementOptions) {$t = $b;}
| ^(c=TOKEN_REF elementOptions) {$t = $c;}
| c=TOKEN_REF        {$t = $c;}
;

elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;

elementOption
: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)
| ^(ASSIGN ID INT)
;

element
: atom
| ^(NOT element)
| ^(RANGE atom atom)
| ^(ASSIGN ID element)
| ^(PLUS_ASSIGN ID element)
| ^(SET setElement+)
| RULE_REF
| ebnf
| epsilonElement
;

epsilonElement
: ACTION
| SEMPRED
| EPSILON
| ^(ACTION elementOptions)

```

```

| ^(SEMPRED elementOptions)
;

setElement
: ^(STRING_LITERAL elementOptions)
| ^(TOKEN_REF elementOptions)
| STRING_LITERAL
| TOKEN_REF
;

ebnf: block
| ^( OPTIONAL block )
| ^( CLOSURE block )
| ^( POSITIVE_CLOSURE block )
;

block
: ^(BLOCK ACTION? alternative+)
;

alternative
: ^(ALT elementOptions? element+)
;

atom
: ^(RULE_REF ARG_ACTION? elementOptions?)
| ^(STRING_LITERAL elementOptions)
| STRING_LITERAL
| ^(TOKEN_REF elementOptions)
| TOKEN_REF
| ^(WILDCARD elementOptions)
| WILDCARD
| ^(DOT ID element)
;

```

Found in path(s):

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/LeftRecursiveRuleWalker.g

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\*/

```
SwiftTypeInitMap ::= [
  "Int":"0",
  "Int64":"0",
  "Float":"0.0",
  "Double":"0.0",
  "Bool":"false",
  default:"nil" // anything other than a primitive type is an object
]
```

```
SwiftTypeMap ::= [
  "int":"Int",
  "float":"Float",
  "long":"Int64",
  "double":"Double",
  "bool":"Bool",
  "boolean":"Bool",
  default : key
]
```

// args must be <object-model-object>, <fields-resulting-in-STs>

```
accessLevelOpenOK(obj) ::= "<obj.accessLevel; null=\"open\">"
accessLevelNotOpen(obj) ::= "<obj.accessLevel; null=\"public\">"
```

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<namedActions.header>
import Antlr4

<parser>
>>
```

```
ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4
```

```

/**
 * This interface defines a complete listener for a parse tree produced by
 * { @link <file.parserName> }.
 */
<accessLevelNotOpen(file)> protocol <file.grammarName>Listener: ParseTreeListener {
  <file.listenerNames: {lname |
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Enter a parse tree produced by the { @code <lname>\}
 * labeled alternative in { @link <file.parserName>#<file.listenerLabelRuleNames.(lname)>\}.
<else>
 * Enter a parse tree produced by { @link <file.parserName>#<lname>\}.
<endif>
- Parameters:
  - ctx: the parse tree
*/
func enter<lname; format="cap">(_ ctx: <file.parserName>.<lname; format="cap">Context)
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Exit a parse tree produced by the { @code <lname>\}
 * labeled alternative in { @link <file.parserName>#<file.listenerLabelRuleNames.(lname)>\}.
<else>
 * Exit a parse tree produced by { @link <file.parserName>#<lname>\}.
<endif>
- Parameters:
  - ctx: the parse tree
*/
func exit<lname; format="cap">(_ ctx: <file.parserName>.<lname; format="cap">Context); separator="\n">
}
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>

```

```
import Antlr4
```

```

/**
 * This class provides an empty implementation of { @link <file.grammarName>Listener },
 * which can be extended to create a listener which only needs to handle a subset
 * of the available methods.
 */
<accessLevelOpenOK(file)> class <file.grammarName>BaseListener: <file.grammarName>Listener {
  <accessLevelNotOpen(file)> init() { \}

```

```

<file.listenerNames: {lname |

/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func enter<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) { \}
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func exit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) { \} }; separator="\n"

/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func enterEveryRule(_ ctx: ParserRuleContext) { \}
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func exitEveryRule(_ ctx: ParserRuleContext) { \}
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func visitTerminal(_ node: TerminalNode) { \}
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func visitErrorNode(_ node: ErrorNode) { \}
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>

```

```

<endif>
<header>
import Antlr4

/**
 * This interface defines a complete generic visitor for a parse tree produced
 * by { @link <file.parserName>}.
 *
 * @param \<T> The return type of the visit operation. Use { @link Void} for
 * operations with no return type.
 */
<accessLevelOpenOK(file)> class <file.grammarName>Visitor\<T>: ParseTreeVisitor\<T> {
  <file.visitorNames:{ lname |
/**
<if(file.visitorLabelRuleNames.(lname))>
 * Visit a parse tree produced by the { @code <lname>}
 * labeled alternative in { @link <file.parserName>#<file.visitorLabelRuleNames.(lname)>}.
<else>
 * Visit a parse tree produced by { @link <file.parserName>#<lname>}.
<endif>
- Parameters:
  - ctx: the parse tree
  - returns: the visitor result
*/
<accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T {
  fatalError(#function + " must be overridden")
\}
}; separator="\n">
}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

/**
 * This class provides an empty implementation of { @link <file.grammarName>Visitor},
 * which can be extended to create a visitor which only needs to handle a subset
 * of the available methods.
 *
 * @param \<T> The return type of the visit operation. Use { @link Void} for
 * operations with no return type.
 */

```

```

<accessLevelOpenOK(file)> class <file.grammarName>BaseVisitor<T>: AbstractParseTreeVisitor<T> {
  <file.visitorNames:{lname |
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation returns the result of calling
 * { @link #visitChildren\} on { @code ctx\}.\</p>
 */
<accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T? { return visitChildren(ctx) \}}; separator="\n"
}
>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
>>

```

```

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

```

```

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<!!/@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})!>
<accessLevelOpenOK(parser)> class <parser.name>: <superClass; null="Parser"> {

```

```

  internal static var _decisionToDFA: [DFA] = {
    var decisionToDFA = [DFA]()
    let length = <parser.name>._ATN.getNumberOfDecisions()
    for i in 0..\<length {
      <!!/ decisionToDFA[i] = DFA(<parser.name>._ATN.getDecisionState(i)!, i)!>
      decisionToDFA.append(DFA(<parser.name>._ATN.getDecisionState(i)!, i))
    }
    return decisionToDFA
  }()

```

```

  internal static let _sharedContextCache = PredictionContextCache()

```

```

  <if(parser.tokens)>
  <accessLevelNotOpen(parser)>
  enum Tokens: Int {
    case EOF = -1, <parser.tokens:{k | <k> = <parser.tokens.(k)>}; separator=", ", wrap, anchor>
  }
  <endif>

```

```

  <accessLevelNotOpen(parser)>
  static let <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>

```

```

  <accessLevelNotOpen(parser)>

```

```

static let ruleNames: [String] = [
  <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
]

<vocabulary(parser.literalNames, parser.symbolicNames,
  accessLevelNotOpen(parser))>

override <accessLevelOpenOK(parser)>
func getGrammarFileName() -> String { return "<parser.grammarFileName; format="java-escape">" }

override <accessLevelOpenOK(parser)>
func getRuleNames() -> [String] { return <parser.name>.ruleNames }

override <accessLevelOpenOK(parser)>
func getSerializedATN() -> String { return <parser.name>._serializedATN }

override <accessLevelOpenOK(parser)>
func getATN() -> ATN { return <parser.name>._ATN }

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
override <accessLevelOpenOK(parser)>
func sempred(_ _localctx: RuleContext?, _ ruleIndex: Int, _ predIndex: Int)throws -> Bool {
  switch (ruleIndex) {
    <parser.sempredFuncs.values:{f}
  case <f.ruleIndex>:
    return try <f.name>_sempred(_localctx?.castdown(<f.ctxType>.self), predIndex)); separator="\n">
    default: return true
  }
  <!return true;!>
}
<sempredFuncs.values; separator="\n">
<endif>

<atn>

<accessLevelNotOpen(parser)>
static let _serializedATN = <parser.name>ATN().jsonString

<accessLevelNotOpen(parser)>
static let _ATN = ATNDeserializer().deserializeFromJson(_serializedATN)
}
>>

vocabulary(literalNames, symbolicNames, accessLevel) ::= <<

```

```

private static let _LITERAL_NAMES: [String?] = [
  <literalNames:{t | <t>}; null="nil", separator=",", wrap, anchor>
]
private static let _SYMBOLIC_NAMES: [String?] = [
  <symbolicNames:{t | <t>}; null="nil", separator=",", wrap, anchor>
]
<accessLevel>
static let VOCABULARY = Vocabulary(_LITERAL_NAMES, _SYMBOLIC_NAMES)
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
override <accessLevelOpenOK(parser)>
func action(_ _localctx: RuleContext?, _ ruleIndex: Int, _ actionIndex: Int) throws {
  switch (ruleIndex) {
    <recog.actionFuncs.values:{f}
  case <f.ruleIndex>:
    <f.name>_action(_localctx as <f.ctxType>?), actionIndex)
    }; separator="\n">
  default: break
  }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
override <accessLevelOpenOK(parser)>
func sempred(_ _localctx: RuleContext?, _ ruleIndex: Int, _ predIndex: Int) throws -> Bool {
  switch (ruleIndex) {
    <recog.sempredFuncs.values:{f}
  case <f.ruleIndex>:
    return try <f.name>_sempred(_localctx?.castdown(<f.ctxType>.self), predIndex)); separator="\n">
  default: return true
  }
}
<!return true;!>
}
<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<

override <accessLevelOpenOK(parser)>
func getVocabulary() -> Vocabulary {
  return <p.name>.VOCABULARY
}

override <accessLevelNotOpen(parser)>
init(_ input:TokenStream) throws {

```

```

    RuntimeMetaData.checkVersion("4.7.1", RuntimeMetaData.VERSION)
  try super.init(input)
  _interp = ParserATNSimulator(self,<p.name>._ATN,<p.name>._decisionToDFA,
<parser.name>._sharedContextCache)
}

>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<
private func <r.name>_action(_ _localctx: <r.ctxType>?, _ actionIndex: Int) {
  switch (actionIndex) {
    <actions:{index|
case <index>:
<actions.(index)>
}; separator="\n">
    default: break
  }
}
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private func <r.name>_sempred(_ _localctx: <r.ctxType>!, _ predIndex: Int) throws -> Bool {
  switch (predIndex) {
    <actions:{index|
case <index>:return <actions.(index)>}; separator="\n">
    default: return true
  }
  <!return true;!>
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<
<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">
@discardableResult
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else> <accessLevelOpenOK(parser)> func
<endif><currentRule.name><(if(first(args))>_<endif><args; separator=", _">) throws -> <currentRule.ctxType> {
var _localctx: <currentRule.ctxType> = <currentRule.ctxType>(_ctx, getState())<currentRule.args:{a | ,
<a.name>}>>)
try enterRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>)
<namedActions.init>

```

```

<locals; separator="\n">
defer {
  <finallyAction>
  try! exitRule()
}
do {
<if(currentRule.hasLookaheadBlock)>
  var _alt:Int
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
}
<if(exceptions)>
<exceptions; separator="\n">
<else>
catch ANTLRException.recognition(let re) {
  _localctx.exception = re
  _errHandler.reportError(self, re)
  try _errHandler.recover(self, re)
}
<endif>

return _localctx
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else> <accessLevelNotOpen(parser)> final <endif>
func <currentRule.name>(< if(first(args))>_ <endif><args; separator="," _">) throws -> <currentRule.ctxType> {
return try <currentRule.name>(0<currentRule.args:{a | , <a.name>}>)
}
@discardableResult
private func <currentRule.name>(_ _p<args:{a | , <a>}>: Int) throws -> <currentRule.ctxType> {
let _parentctx: ParserRuleContext? = _ctx
var _parentState: Int = getState()
var _localctx: <currentRule.ctxType> = <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | ,
<a.name>}>)
var _prevctx: <currentRule.ctxType> = _localctx
var _startState: Int = <currentRule.startState>
try enterRecursionRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p)
<namedActions.init>

```

```

<locals; separator="\n">
defer {
  <finallyAction>
  try! unrollRecursionContexts(_parentctx)
}
do {
<if(currentRule.hasLookaheadBlock)>
  var _alt: Int
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
}
catch ANTLRException.recognition(let re) {
  _localctx.exception = re
  _errHandler.reportError(self, re)
  try _errHandler.recover(self, re)
}

return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
try enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<!/{!>
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
<!/{}!>
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
<preamble; separator="\n">
switch (<parser.name>.Tokens(rawValue: try _input.LA(1))!) {
<choice.altLook,alts:{look,alt | <cases(ttypes=look)>
  <alt>
  break }; separator="\n">
default:

```

```
<error>
}
>>
```

```
LL1OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
switch (<parser.name>.Tokens(rawValue: try _input.LA(1))!) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break }; separator="\n">
default:
break
}
>>
```

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<preamble; separator="\n">
if (<expr>) {
<alts; separator="\n">
}
<!else if ( !(<followExpr> ) <error>!>
>>
```

```
LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<preamble; separator="\n">
while (<loopExpr>) {
<alts; separator="\n">
setState(<choice.loopBackStateNumber>)
try _errHandler.sync(self)
<iteration>
}
>>
```

```
LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.blockStartStateNumber>) <! alt block decision !>
try _errHandler.sync(self)
<preamble; separator="\n">
repeat {
<alts; separator="\n">
setState(<choice.stateNumber>); <! loopback/exit decision !>
try _errHandler.sync(self)
<iteration>
} while (<loopExpr>)
```

>>

// LL(\*) stuff

```
AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
<preamble; separator="\n">
switch(try getInterpreter().adaptivePredict(_input,<choice.decision>, _ctx)) {
<alts:{ alt |
case <i>:
<alt>
break }; separator="\n">
default: break
}
>>
```

```
OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
switch (try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)) {
<alts:{ alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break }; separator="\n">
default: break
}
>>
```

```
StarBlock(choice, alts, sync, iteration) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
_alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
<iteration>
<alts> <! should only be one !>
}
setState(<choice.loopBackStateNumber>)
try _errHandler.sync(self)
_alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
}
>>
```

```
PlusBlock(choice, alts, error) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
try _errHandler.sync(self)
```

```

_alt = 1<if(!choice.ast.greedy)>+1<endif>;
repeat {
  switch (_alt) {
    <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
break }; separator="\n">
  default:
    <error>
  }
  setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
  try _errHandler.sync(self)
  _alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
} while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER)
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw ANTLRException.recognition(e: NoViableAltException(self))"

TestSetInline(s) ::= <<
<!<s.bitsets:{bits | <if(rest(rest(bits.ttypes))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">!>
//closure
{ () -> Bool in
  <if(rest(s.bitsets))>var<else>let<endif> testSet: Bool = <first(s.bitsets):{bits |
<if(rest(rest(bits.ttypes))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s, bits)><endif>}>
  <rest(s.bitsets):{bits | testSet = testSet || <if(rest(rest(bits.ttypes))><bitsetBitfieldComparison(s,
bits)><else><bitsetInlineComparison(s, bits)><endif>}; separator="\n">
  return testSet
}()
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <<
<!(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1 \<< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ttype | (1 \<< <offsetShift(ttype, bits.shift)>}); separator=" | ">)) != 0)!>
{ () -> Bool in
  <! let test: Bool = (<testShiftInRange({<offsetShift(s.varName, bits.shift)>})>)!>
  <!var temp: Int64 = Int64(<offsetShift(s.varName, bits.shift)>)!>
  <!temp = (temp \< 0) ? (64 + (temp % 64)) : (temp % 64)!>
  <!let test1: Int64 = (Int64(1) \<< temp)!>
  <!var test2: Int64 = (<first(bits.ttypes):{ttype | Utils.bitLeftShift(<offsetShift(parserName(ttype), bits.shift)>)}>)!>

```

```

    <!<rest(bits.ttypes):{ ttype | test2 = test2 | Utils.bitLeftShift(<offsetShift(parserName(ttype), bits.shift)>)};
separator="\n">!>
    let testArray: [Int] = [<s.varName>, <bits.ttypes:{ ttype |<parserName(ttype)>}; separator=", ">]
    <!var test2: Int64 = Utils.testBitLeftShiftArray(testArray)!>
    return Utils.testBitLeftShiftArray(testArray, <bits.shift>)
}()
>>

isZero ::= [
"0": true,
default: false
]
parserName(ttype) ::= <%
<parser.name>.Tokens.<ttype>.rawValue
%>
offsetShift(shiftAmount, offset) ::= <%
<if(!isZero(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ ttype | <s.varName> == <parser.name>.Tokens.<ttype>.rawValue}; separator=" || ">
%>

cases(ttypes) ::= <<
<trunc(ttypes): {t | case .<t>:fallthrough} ; separator="\n">
<last(ttypes): {t | case .<t>:} ; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
setState(<r.stateNumber>)
<if(r.labels)>
try {
    let assignmentValue = try
<r.name><(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif><argExprsChunks>
    <r.labels:{1 | <labelref(1)> = assignmentValue} ; separator="\n">
    }()
<else>try
<r.name><(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif><argExprsChunks><endif>
>>

MatchToken(m) ::= <<
setState(<m.stateNumber>)
<if(m.labels)>
try {
    let assignmentValue = try match(<parser.name>.Tokens.<m.name>.rawValue)
<m.labels:{1 | <labelref(1)> = assignmentValue} ; separator="\n">
    }()

```

```

<else>try match(<parser.name>.Tokens.<m.name>.rawValue)<endif>
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
setState(<m.stateNumber>)
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>try _input.LT(1)<endif>
<capture>
if (<if(invert)><m.varName> \<= 0 || <else>!<endif><expr>) {
  <if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>try _errHandler.recoverInline(self)<if(m.labels)> as
  Token<endif>
}
else {
  _errHandler.reportMatch(self)
  try consume()
}
>>

Wildcard(w) ::= <<
setState(<w.stateNumber>)
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>try matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>)
if (!(<chunks>)) {
  throw ANTLRException.recognition(e:FailedPredicateException(self, <p.predicate><if(failChunks)>,
  <failChunks><elseif(p.msg)>, <p.msg><endif>))
}
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>

// lexer actions are not associated with model objects

```

```

LexerSkipCommand() ::= "skip()"
LexerMoreCommand() ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg) ::= "_type = <arg>"
LexerChannelCommand(arg) ::= "_channel = <arg>"
LexerModeCommand(arg) ::= "_mode = <arg>"
LexerPushModeCommand(arg) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.name>"
LocalRef(a) ::= "_localctx.<a.name>"
RetValRef(a) ::= "_localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getText()! : \"\""
TokenPropertyRef_type(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getType() : 0)"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getLine() : 0)"
TokenPropertyRef_pos(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getCharPositionInLine() : 0)"
TokenPropertyRef_channel(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getChannel() : 0)"
TokenPropertyRef_index(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getTokenIndex() : 0)"
TokenPropertyRef_int(t) ::= "<ctx(t)>.<t.label> != nil ? Int(<ctx(t)>.<t.label>!.getText()!) : 0)"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.start?.description ?? \"\") : \"\""
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.stop?.description ?? \"\") : \"\""
RulePropertyRef_text(r) ::= "<ctx(r)>.<r.label> != nil ? try
_input.getText(<ctx(r)>.<r.label>!.start,<ctx(r)>.<r.label>!.stop) : \"\""
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
ThisRulePropertyRef_text(r) ::= "(try _input.getText(_localctx.start, try _input.LT(-1)))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "(<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=
"(<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

```

```

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "<t.name>: <SwiftTypeMap.(TokenLabelType())>!"
TokenTypeDecl(t) ::= "var <t.name>: Int = 0"
TokenListDecl(t) ::= "<t.name>: [Token] = [Token]()"
RuleContextDecl(r) ::= "<r.name>: <r.ctxName>!"
RuleContextListDecl(rdecl) ::= "<rdecl.name>: [<rdecl.ctxName>] = [<rdecl.ctxName>]()"

ContextTokenGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>() -> TerminalNode? {
  return getToken(<parser.name>.Tokens.<t.name>.rawValue, 0)
}
>>

ContextTokenListGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>() -> [TerminalNode] {
  return getTokens(<parser.name>.Tokens.<t.name>.rawValue)
}
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>(_ i: Int) -> TerminalNode? {
  return getToken(<parser.name>.Tokens.<t.name>.rawValue, i)
}
>>

ContextRuleGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func <r.name>() -> <r.ctxName>? {
  return getRuleContext(<r.ctxName>.self, 0)
}
>>

ContextRuleListGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func <r.name>() -> [<r.ctxName>] {
  return getRuleContexts(<r.ctxName>.self)
}
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func <r.name>(_ i: Int) -> <r.ctxName>? {
  return getRuleContext(<r.ctxName>.self, i)
}
>>

LexerRuleContext() ::= "RuleContext"

```

```

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = try _input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = try _input.LA(1)"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers,
    superClass={ParserRuleContext}) ::= <<

<accessLevelNotOpen(parser)> class <struct.name>:
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces;
separator=", "><endif> {
  <attrs:{ a | <accessLevelOpenOK(parser)> var <a>}; separator="\n">
  <getters:{ g | <g>}; separator="\n">
  <! <if(ctorAttrs)> <accessLevelNotOpen(parser)> init(_ parent: ParserRuleContext,_ invokingState: Int) {
super.init(parent, invokingState) }<endif> !>
  <if(ctorAttrs)>
  <accessLevelNotOpen(parser)> convenience init(_ parent: ParserRuleContext?, _ invokingState: Int<ctorAttrs:{ a | ,
_ <a>}> ) {
  self.init(parent, invokingState)
  <struct.ctorAttrs:{ a | self.<a.name> = <a.name>;}; separator="\n">
  }
  <endif>

  override <accessLevelOpenOK(parser)>
  func getRuleIndex() -> Int {
  return <parser.name>.RULE_<struct.derivedFromName>
  }
  <if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
  <! <accessLevelNotOpen(parser)> init() { }!>
  <accessLevelOpenOK(parser)>
  func copyFrom(_ ctx: <struct.name>) {
  super.copyFrom(ctx)
  <struct.attrs:{ a | self.<a.name> = ctx.<a.name>;}; separator="\n">
  }
  <endif>
  <dispatchMethods; separator="\n">
  <extensionMembers; separator="\n">
  }
  >>

```

```

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
<accessLevelNotOpen(parser)> class <struct.name>: <currentRule.name; format="cap">Context {
  <attrs:{ a | <accessLevelNotOpen(parser)> var <a>}; separator="\n">
  <getters:{ g | <g>}; separator="\n">

  <accessLevelNotOpen(parser)>
  init(_ ctx: <currentRule.name; format="cap">Context) {
    super.init()
    copyFrom(ctx)
  }
  <dispatchMethods; separator="\n">
}
>>

ListenerDispatchMethod(method) ::= <<
override <accessLevelOpenOK(parser)>
func <if(method.isEnter)>enter<else>exit<endif>Rule(_ listener: ParseTreeListener) {
  if let listener = listener as? <parser.grammarName>Listener {
    listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)
  }
}
>>

VisitorDispatchMethod(method) ::= <<
override <accessLevelOpenOK(parser)>
func accept<T>(_ visitor: ParseTreeVisitor<T>) -> T? {
  if let visitor = visitor as? <parser.grammarName>Visitor {
    return visitor.visit<struct.derivedFromName; format="cap">(self)
  }
  else if let visitor = visitor as? <parser.grammarName>BaseVisitor {
    return visitor.visit<struct.derivedFromName; format="cap">(self)
  }
  else {
    return visitor.visitChildren(self)
  }
}
>>

AttributeDecl(d) ::= "<d.name>: <SwiftTypeMap.(d.type)><if(d.initValue)> = <d.initValue><else>!<endif>"

/** If we don't know location of label def x, use this template (_localctx as! <x.ctx.name> */
labelref(x) ::= "<if(!x.isLocal)>_localctx.castdown(<x.ctx.name>.self).<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "_localctx.castdown(<actionChunk.ctx.name>.self)"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(_ctx, <opPrec>)"

```

```

recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
recRuleSetStopToken()          ::= "_ctx!.stop = try _input.LT(-1)"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = <ctxName>Context(_parentctx, _parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.append(_prevctx)
<else>
_localctx.<label> = _prevctx
<endif>
<endif>
<if(label)>_localctx.<label> = _prevctx;<endif>
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
_localctx = <currentAltLabel; format="cap">Context( <ruleName; format="cap">Context(_parentctx,
_parentState))
<if(label)>
<if(isListLabel)>
(_localctx as! <currentAltLabel; format="cap">Context).<label>.append(_prevctx)
<else>
(_localctx as! <currentAltLabel; format="cap">Context).<label> = _prevctx
<endif>
<endif>
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
>>

recRuleReplaceContext(ctxName) ::= <<
_localctx = <ctxName>Context(_localctx)
_ctx = _localctx
_prevctx = _localctx
>>

recRuleSetPrevCtx() ::= <<
if _parseListeners != nil {
try triggerExitRuleEvent()
}
_prevctx = _localctx
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<if(lexerFile.genPackage)>
<!package <lexerFile.genPackage>;!>
<endif>

```

```

<namedActions.header>
import Antlr4

<lexer>
>>
Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<accessLevelOpenOK(lexer)> class <lexer.name>: <superClass; null="Lexer"> {

internal static var _decisionToDFA: [DFA] = {
    var decisionToDFA = [DFA]()
    let length = <lexer.name>._ATN.getNumberOfDecisions()
    for i in 0..<length {
        <! decisionToDFA[i] = DFA(<lexer.name>._ATN.getDecisionState(i!), i);!>
        decisionToDFA.append(DFA(<lexer.name>._ATN.getDecisionState(i!), i))
    }
    return decisionToDFA
}()

internal static let _sharedContextCache = PredictionContextCache()

<accessLevelNotOpen(lexer)>
static let <lexer.tokens>:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>

<if(lexer.channels)>
<accessLevelNotOpen(lexer)>
static let <lexer.channels>:{k | <k>=<lexer.channels.(k)>}; separator=", ", wrap, anchor>
<endif>
<if(rest(lexer.modes)>
<accessLevelNotOpen(lexer)>
static let <rest(lexer.modes)>:{m | <m>=<i>}; separator=", ", wrap, anchor>
<endif>
<accessLevelNotOpen(lexer)>
static let channelNames: [String] = [
    "DEFAULT_TOKEN_CHANNEL", "HIDDEN" <if (lexer.channels)>, <lexer.channels:{c | <c>}>; separator=", ",
wrap, anchor><endif>
]

<accessLevelNotOpen(lexer)>
static let modeNames: [String] = [
    <lexer.modes:{m | <m>}>; separator=", ", wrap, anchor>
]

<accessLevelNotOpen(lexer)>
static let ruleNames: [String] = [
    <lexer.ruleNames:{r | <r>}>; separator=", ", wrap, anchor>
]

<vocabulary(lexer.literalNames, lexer.symbolicNames,

```

```

        accessLevelNotOpen(lexer)>>

<namedActions.members>

override <accessLevelOpenOK(lexer)>
func getVocabulary() -> Vocabulary {
    return <lexer.name>.VOCABULARY
}

<accessLevelNotOpen(lexer)>
required init(_ input: CharStream) {
    RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>", RuntimeMetaData.VERSION)
    super.init(input)
    _interp = LexerATNSimulator(self, <lexer.name>._ATN, <lexer.name>._decisionToDFA,
<lexer.name>._sharedContextCache)
}

override <accessLevelOpenOK(lexer)>
func getGrammarFileName() -> String { return "<lexer.grammarFileName>" }

override <accessLevelOpenOK(lexer)>
func getRuleNames() -> [String] { return <lexer.name>.ruleNames }

override <accessLevelOpenOK(lexer)>
func getSerializedATN() -> String { return <lexer.name>._serializedATN }

override <accessLevelOpenOK(lexer)>
func getChannelNames() -> [String] { return <lexer.name>.channelNames }

override <accessLevelOpenOK(lexer)>
func getModeNames() -> [String] { return <lexer.name>.modeNames }

override <accessLevelOpenOK(lexer)>
func getATN() -> ATN { return <lexer.name>._ATN }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>

<accessLevelNotOpen(lexer)>
static let _serializedATN: String = <lexer.name>ATN().jsonString

<accessLevelNotOpen(lexer)>
static let _ATN: ATN = ATNDeserializer().deserializeFromJson(_serializedATN)
}
>>

/** Don't need to define anything. The tool generates a XParserATN.swift file (and same for lexer)
* which is referenced from static field _serializedATN. This json string is passed to

```

```
* deserializeFromJson(). Note this is not the "serialization as array of ints" that other targets
* do. It is more or less the output of ATNPrinter which gets read back in.
*/
SerializedATN(model) ::= <<
>>
```

```
/** Using a type to init value map, try to init a type; if not in table
* must be an object, default value is "null".
*/
initValue(typeName) ::= <<
<SwiftTypeInitMap.(typeName)>
>>
```

```
codeFileExtension() ::= ".swift"
```

Found in path(s):

```
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/tool/templates/codegen/Swift/Swift.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
* [The "BSD license"]
* Copyright (c) 2012-2016 Terence Parr
* Copyright (c) 2012-2016 Sam Harwell
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
*
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. The name of the author may not be used to endorse or promote products
* derived from this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
* IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
* IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
* INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

```

*/

/** templates used to generate make-compatible dependencies */

/** Generate "f : x, y, z" dependencies for input
 * dependencies and generated files. in and out
 * are File objects. For example, you can say
 * <f.canonicalPath>
 */
dependencies(grammarFileName,in,out) ::= <<
<if(in)><grammarFileName>: <in; separator=", "><endif>
<out:{f | <f> : <grammarFileName>}; separator="\n">
>>

```

Found in path(s):

```

* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/templates/depend.stg
No license file was found, but licenses were detected in source scan.

```

```

/*
 * Copyright (c) 2012-2017 The ANTLR Project. All rights reserved.
 * Use of this file is governed by the BSD 3-clause license that
 * can be found in the LICENSE.txt file in the project root.
 */

```

Found in path(s):

```

* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/gui/Trees.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_parser.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/codegen/model/ThrowNoViableAlt.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/codegen/model/LL1OptionalBlock.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/codegen/model/VisitorDispatchMethod.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/codegen/OutputModelController.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/codegen/model/decl/AltLabelStructDecl.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/PredAST.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/misc/MutableInt.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/tool/LeftRecursionCyclesMessage.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/semantics/RuleCollector.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/codegen/model/SemPred.java
* /opt/cola/permits/1274703849_1645234551.46/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/codegen/model/decl/TokenListDecl.java

```

- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/QuantifierAST.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/v4ParserException.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/GrammarParserInterpreter.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef\_ctx.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/ToolANTLRLexer.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/GrammarASTAdaptor.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/RuleActionFunction.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/Target.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/AltBlock.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/automata/ATNPrinter.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ListenerFile.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/ContextRuleListGetterDecl.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ListenerDispatchMethod.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/Alternative.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/LocalRef.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ThrowRecognitionException.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/misc/CharSupport.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/AltAST.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/SetAST.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/TokenTypeDecl.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/ParserFactory.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ErrorType.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/OutputModelObject.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/GrammarSemanticsMessage.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_line.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/NotAST.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/semantics/ActionSniffer.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/automata/ATNFactory.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/Wildcard.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/GrammarAST.java

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/automata/ParserATNFactory.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/SerializedATN.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/automata/ATNVisitor.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/gui/TreeTextProvider.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/Sync.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ActionChunk.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_index.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/Decl.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/TestSetInline.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ActionText.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ErrorSeverity.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ANTLRMessage.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/Grammar.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ExceptionClause.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/analysis/LeftRecursionDetector.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/target/GoTarget.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/misc/Utils.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/GrammarRootAST.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef\_start.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/target/CSharpTarget.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/RuleElement.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/OptionalBlockAST.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/LabelRef.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/RuleAST.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef\_stop.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_type.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/CaptureNextToken.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/NonLocalAttrRef.java

- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/Tool.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef\_ctx.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/StructDecl.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/Action.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/RuleContextListDecl.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/DefaultToolListener.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ElementFrequenciesVisitor.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/BuildDependencyGenerator.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/Lexer.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/automata/LexerATNFactory.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/GrammarASTWithOptions.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/LexerGrammar.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/PlusBlock.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/AttributeResolver.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/target/CppTarget.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/CodeGeneratorExtension.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/PlusBlockAST.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef\_parser.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/unicode/UnicodeDataTemplateController.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ANTLRToolListener.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ActionTemplate.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/ElementListDecl.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/TokenDecl.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_int.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/ScopeParser.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef.java
- \* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-

jar/org/antlr/v4/codegen/model/decl/CodeBlock.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/target/JavaTarget.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/BlankOutputModelFactory.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/BaseListenerFile.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/semantics/SemanticPipeline.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/LL1StarBlockSingleAlt.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/misc/FrequencySet.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/LabelElementPair.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/SrcOp.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ErrorMessageManager.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/analysis/LeftRecursiveRuleAnalyzer.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/RuleFunction.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/parse/TokenVocabParser.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/RangeAST.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef\_text.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/target/Python3Target.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/LexerFactory.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/LL1Loop.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/CodeBlockForAlt.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/QRetValueRef.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/semantics/AttributeChecks.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/dbg.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/gui/BasicFontMetrics.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/decl/ContextRuleGetterDecl.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/decl/ContextTokenListIndexedGetterDecl.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/gui/PostScriptDocument.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/decl/AttributeDecl.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/Rule.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/OutputFile.java

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/MatchSet.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/LL1Choice.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef\_text.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/ContextGetterDecl.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_text.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/misc/EscapeSequenceParsing.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/InvokeRule.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/BlockAST.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/gui/TreePostScriptGenerator.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/gui/TreeLayoutAdaptor.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/Parser.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/AddToLabelList.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/analysis/LeftRecursiveRuleAltInfo.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/AttributeDict.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/LL1OptionalBlockSingleAlt.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_channel.java  
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\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/MatchToken.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/ContextTokenListGetterDecl.java  
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\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/misc/OrderedHashMap.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/GrammarToken.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/target/Python2Target.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/ActionTranslator.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/RuleSempredFunction.java  
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\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/automata/ATNOptimizer.java

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/LeftRecursiveRule.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/Attribute.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ToolMessage.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/CodeGenPipeline.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/semantics/BasicSemanticChecks.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/v3TreeGrammarException.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/MatchNotSet.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/SetNonLocalAttr.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ArgRef.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/StarBlockAST.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/analysis/LeftRecursiveRuleTransformer.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/gui/JFileChooserConfirmOverwrite.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/LL1PlusBlockSingleAlt.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/BaseVisitorFile.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/UnicodeEscapes.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/LeftRecursiveRuleFunction.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/semantics/BlankActionSplitterListener.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/LL1AltBlock.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/GrammarSyntaxMessage.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef\_start.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenRef.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/gui/TestRig.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/Choice.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/gui/SystemFontMetrics.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ParserFile.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/semantics/UseDefAnalyzer.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/RuleContextDecl.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-

jar/org/antlr/v4/codegen/model/chunk/ListLabelRef.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/decl/ContextTokenGetterDecl.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/ast/GrammarASTVisitor.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/ThrowEarlyExitException.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/SetAttr.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/ModelElement.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef\_stop.java  
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jar/org/antlr/v4/analysis/AnalysisPipeline.java  
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jar/org/antlr/v4/codegen/model/OptionalBlock.java  
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\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/GrammarInterpreterRuleContext.java  
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jar/org/antlr/v4/codegen/OutputModelFactory.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/CaptureNextTokenType.java  
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\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/LexerFile.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/parse/ResyncToEndOfRuleBlock.java  
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jar/org/antlr/v4/codegen/OutputModelWalker.java  
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jar/org/antlr/v4/codegen/model/DispatchMethod.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/CodeGenerator.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/LabeledOp.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/Loop.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/decl/ContextRuleListIndexedGetterDecl.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/TerminalAST.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/ast/GrammarASTErrorNode.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/StarBlock.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/CodeBlockForOuterMostAlt.java

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\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/ActionSplitterListener.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_pos.java  
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\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/target/SwiftTarget.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/target/JavaScriptTarget.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/automata/TailEpsilonRemover.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/GrammarTransformPipeline.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ArgAction.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/Recognizer.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/RuleRefAST.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/LabelType.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/ToolANTLRParser.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/semantics/SymbolCollector.java  
\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/RetValRef.java

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Found in path(s):

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/ANTLRParser.g

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\*/

// File : A3Lexer.g

// Author : Jim Idle (jimi@temporal-wave.com)

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// Version : First implemented as part of ANTLR 3.2 this is the self

// hosting ANTLR 3 Lexer.

//

// Description

```

// -----
// This is the definitive lexer grammar for parsing ANTLR V3.x.x grammars. All other
// grammars are derived from this grammar via source code control integration (perforce)
// or by the gdiff tool.
//
// This grammar and its associated grammars A3Parser.g and A3Walker.g exhibit the following
// traits, which are recommended for all production quality grammars:
//
// 1) They are separate grammars, not composite grammars;
// 2) They implement all supporting methods in a superclass (at least this is recommended
//    for language targets that support inheritance;
// 3) All errors are pushed as far down the parsing chain as possible, which means
//    that the lexer tries to defer error reporting to the parser, and the parser
//    tries to defer error reporting to a semantic phase consisting of a single
//    walk of the AST. The reason for this is that the error messages produced
//    from later phases of the parse will generally have better context and so
//    be more useful to the end user. Consider the message: "Syntax error at 'options'"
//    vs: "You cannot specify two options{ } sections in a single grammar file".
// 4) The lexer is 'programmed' to catch common mistakes such as unterminated literals
//    and report them specifically and not just issue confusing lexer mismatch errors.
//
/** Read in an ANTLR grammar and build an AST. Try not to do
 * any actions, just build the tree.
 *
 * The phases are:
 *
 * A3Lexer.g (this file)
 *     A3Parser.g
 *     A3Verify.g (derived from A3Walker.g)
 * assign.types.g
 * define.g
 * buildnfa.g
 * antlr.print.g (optional)
 * codegen.g
 *
 * Terence Parr
 * University of San Francisco
 * 2005
 * Jim Idle (this v3 grammar)
 * Temporal Wave LLC
 * 2009
 */
lexer grammar ANTLRLexer;

// =====
// Note that while this grammar does not care about order of constructs
// that don't really matter, such as options before @header etc, it must first

```

```

// be parsed by the original v2 parser, before it replaces it. That parser does
// care about order of structures. Hence we are constrained by the v2 parser
// for at least the first bootstrap release that causes this parser to replace
// the v2 version.
// =====

// -----
// Options
//
// V3 option directives to tell the tool what we are asking of it for this
// grammar.
//
options {

// Target language is Java, which is the default but being specific
// here as this grammar is also meant as a good example grammar for
// for users.
//
language    = Java;

// The super class that this lexer should expect to inherit from, and
// which contains any and all support routines for the lexer. This is
// commented out in this baseline (definitive or normative grammar)
// - see the ANTLR tool implementation for hints on how to use the super
// class
//
//superclass = AbstractA3Lexer;
}

tokens { SEMPRED; TOKEN_REF; RULE_REF; LEXER_CHAR_SET; ARG_ACTION; }

// Include the copyright in this source and also the generated source
//
@lexer::header {
/*
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```

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\*/

```
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.runtime.misc.Interval;
}
```

```
@members {
```

```
public static final int COMMENTS_CHANNEL = 2;
```

```
public CommonTokenStream tokens; // track stream we push to; need for context info
public boolean isLexerRule = false;
```

```
public void grammarError(ErrorType etype, org.antlr.runtime.Token token, Object... args) { }
```

```
/** scan backwards from current point in this.tokens list
```

```
* looking for the start of the rule or subrule.
```

```
* Return token or null if for some reason we can't find the start.
```

```
*/
```

```
public Token getRuleOrSubruleStartToken() {
```

```
    if ( tokens==null ) return null;
```

```
    int i = tokens.index();
```

```
    int n = tokens.size();
```

```
    if ( i>=n ) i = n-1; // seems index == n as we lex
```

```
    while ( i>=0 && i<n ) {
```

```
        int ttype = tokens.get(i).getType();
```

```
        if ( ttype == LPAREN || ttype == TOKEN_REF || ttype == RULE_REF ) {
```

```
            return tokens.get(i);
```

```
        }
```

```
        i--;
```

```
    }
```

```
    return null;
```

```
}
```

```
}
```

```
// -----
```

```

// Comments
//
// ANTLR comments can be multi or single line and we don't care
// which particularly. However we also accept Javadoc style comments
// of the form: /** ... */ and we do take care to distinguish those
// from ordinary multi-line comments
// Note how we guide the lexical PATH because we want to issue a decriptive
// error message in case of a standalone '/' character, which makes no
// sense in ANTLR source code. We also trap unterminated multi-line comments
//
fragment DOC_COMMENT : ;
COMMENT
@init {

// Record the start line and offsets as if we need to report an
// unterminated comment, then we want to show the start of the comment
// we think is broken, not the end, where people will have to try and work
// it out themselves.
//
int startLine = $line;
int offset = getCharPositionInLine();
}
: // Eat the first character only, then see if we have a comment
  // or something silly.
  //
  '/' // Comment introducer

(
  // Single line comment, possibly with embedded src/line directives
  // in a similar style to the C pre-processor, allowing generated
  // code to refer the programmer back to the original source code
  // in case of error.
  //
  '/'
  (
    (' $ANTLR')=> ' $ANTLR' SRC
    | ~(NLCHARS)*
  )

| // Multi-line comment, which may be a documentation comment
  // if it starts /** (note that we protect against accidentally
  // recognizing a comment /**/ as a documentation comment
  //
  '*' (
    { input.LA(2) != '/' }?=> '*' { $type = DOC_COMMENT; }
    | { true }?=> // Required to cover all alts with predicates
  )
)

```

```

// Should we support embedded multiline comments here?
//
(
  // Pick out end of multiline comment and exit the loop
  // if we find it.
  //
  { !(input.LA(1) == '*' && input.LA(2) == '/') }?

  // Anything else other than the non-greedy match of
  // the comment close sequence
  //
  .
)*
(
  // Look for the comment terminator, but if it is accidentally
  // unterminated, then we will hit EOF, which will trigger the
  // epsilon alt and hence we can issue an error message relative
  // to the start of the unterminated multi-line comment
  //
  /*'

| // Unterminated comment!
  //
  {
    // ErrorManager.msg(Msg.UNTERMINATED_DOC_COMMENT, startLine, offset, $pos, startLine,
offset, $pos, (Object)null);
  }
)

| // There was nothing that made sense following the opening '/' and so
  // we issue an error regarding the malformed comment
  //
  {
    // TODO: Insert error message relative to comment start
    //
  }
)
{
  // We do not wish to pass the comments in to the parser. If you are
  // writing a formatter then you will want to preserve the comments off
  // channel, but could just skip and save token space if not.
  //
  $channel=COMMENTS_CHANNEL;
}
;

```

ARG\_OR\_CHARSET

options {k=1;}

```

: {isLexerRule}?=> LEXER_CHAR_SET {$type=LEXER_CHAR_SET;}
| {!isLexerRule}?=> ARG_ACTION
{
$type=ARG_ACTION;
// Set the token text to our gathered string minus outer [ ]
String t = $text;
t = t.substring(1,t.length()-1);
setText(t);
}
;

```

fragment

LEXER\_CHAR\_SET

```

: '['
( '\\ ~('\r'\n')
| ~('\r'\n'\\'']')
)*
']'
;

```

// -----

// Argument specs

//

// Certain argument lists, such as those specifying call parameters

// to a rule invocation, or input parameters to a rule specification

// are contained within square brackets. In the lexer we consume them

// all at once and sort them out later in the grammar analysis.

//

fragment

ARG\_ACTION

```

: '['
(
ARG_ACTION

| ("")=>ACTION_STRING_LITERAL

| ("\")=>ACTION_CHAR_LITERAL

| ~('[']')
)*

']'
;

```

// -----

// Actions

//

// Other than making sure to distinguish between { and } embedded

```

// within what we have assumed to be literals in the action code, the
// job of the lexer is merely to gather the code within the action
// (delimited by { }) and pass it to the parser as a single token.
// We know that this token will be asked for its text somewhere
// in the upcoming parse, so setting the text here to exclude
// the delimiting { } is no additional overhead.
//
ACTION
: NESTED_ACTION
( '?' { $type = SEMPRED; }
( (WSNLCHARS* '=>') => WSNLCHARS* '=>' // v3 gated sempred
{
Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
t.setLine(state.tokenStartLine);
t.setText(state.text);
t.setCharPositionInLine(state.tokenStartCharPositionInLine);
grammarError(ErrorType.V3_GATED_SEMPRED, t);
}
)?
)?
;

// -----
// Action structure
//
// Many language targets use { } as block delimiters and so we
// must recursively match { } delimited blocks to balance the
// braces. Additionally, we must make some assumptions about
// literal string representation in the target language. We assume
// that they are delimited by ' or " and so consume these
// in their own alts so as not to inadvertently match { }.
// This rule calls itself on matching a {
//
fragment
NESTED_ACTION
@init {

// Record the start line and offsets as if we need to report an
// unterminated block, then we want to show the start of the comment
// we think is broken, not the end, where people will have to try and work
// it out themselves.
//
int startLine = getLine();
int offset = getCharPositionInLine();
}

: // Action and other blocks start with opening {
//

```

```

'{'
(
// And now we can match one of a number of embedded
// elements within the action until we find a
// } that balances the opening {. If we do not find
// the balanced } then we will hit EOF and can issue
// an error message about the brace that we believe to
// be mismatched. This won't be foolproof but we will
// be able to at least report an error against the
// opening brace that we feel is in error and this will
// guide the user to the correction as best we can.
//

// An embedded {} block
//
NESTED_ACTION

|// What appears to be a literal
//
ACTION_CHAR_LITERAL

|// We have assumed that the target language has C/Java
// type comments.
//
COMMENT

|// What appears to be a literal
//
ACTION_STRING_LITERAL

|// What appears to be an escape sequence
//
ACTION_ESC

|// Some other single character that is not
// handled above
//
~(\\|'|\"|/|'{'|'})

)*

(
// Correctly balanced closing brace
//
'}'

|// Looks like have an imbalanced {} block, report

```

```

// with respect to the opening brace.
//
{
    // TODO: Report imbalanced {}
    System.out.println("Block starting at line " + startLine + " offset " + (offset+1) + " contains imbalanced {} or
is missing a }");
}
)
;

```

```

// Keywords
// -----
// keywords used to specify ANTLR v3 grammars. Keywords may not be used as
// labels for rules or in any other context where they would be ambiguous
// with the keyword vs some other identifier
// OPTIONS, TOKENS, and CHANNELS must also consume the opening brace that captures
// their option block, as this is the easiest way to parse it separate
// to an ACTION block, despite it using the same {} delimiters.
//
OPTIONS    : 'options' WSNLCHARS* '{' ;
TOKENS_SPEC : 'tokens' WSNLCHARS* '{' ;
CHANNELS   : 'channels' WSNLCHARS* '{' ;

```

```

IMPORT     : 'import'      ;
FRAGMENT   : 'fragment'   ;
LEXER      : 'lexer'      ;
PARSER     : 'parser'     ;
GRAMMAR    : 'grammar'    ;
TREE_GRAMMAR : 'tree' WSNLCHARS* 'grammar' ;
PROTECTED  : 'protected'  ;
PUBLIC     : 'public'     ;
PRIVATE    : 'private'    ;
RETURNS    : 'returns'    ;
LOCALS     : 'locals'     ;
THROWS     : 'throws'     ;
CATCH      : 'catch'      ;
FINALLY    : 'finally'    ;
MODE       : 'mode'       ;

```

```

// -----
// Punctuation
//
// Character sequences used as separators, delimiters, operators, etc
//
COLON      : ':'
{
    // scan backwards, looking for a RULE_REF or TOKEN_REF.

```

```

// which would indicate the start of a rule definition.
// If we see a LPAREN, then it's the start of the subrule.
// this.tokens is the token string we are pushing into, so
// just loop backwards looking for a rule definition. Then
// we set isLexerRule.
Token t = getRuleOrSubruleStartToken();
if ( t!=null ) {
    if ( t.getType()==RULE_REF ) isLexerRule = false;
    else if ( t.getType()==TOKEN_REF ) isLexerRule = true;
    // else must be subrule; don't alter context
}
}
;

COLONCOLON  : '::'      ;
COMMA      : ','      ;
SEMI       : ';'      ;
LPAREN     : '('      ;
RPAREN     : ')'      ;
RARROW     : '->'    ;
LT         : '<'      ;
GT         : '>'      ;
ASSIGN     : '='      ;
QUESTION   : '?'      ;
SYNPRED    : '=>'    ;
{
    Token t = new CommonToken(input, state.type, state.channel,
        state.tokenStartCharIndex, getCharIndex()-1);
    t.setLine(state.tokenStartLine);
    t.setText(state.text);
    t.setCharPositionInLine(state.tokenStartCharPositionInLine);
    grammarError(ErrorType.V3_SYNPRED, t);
    $channel=HIDDEN;
}
;

STAR       : '*'      ;
PLUS       : '+'      ;
PLUS_ASSIGN : '+='    ;
OR         : '|'      ;
DOLLAR     : '$'      ;
DOT        : '.'      ; // can be WILDCARD or DOT in qid or imported rule ref
RANGE     : '..'     ;
AT         : '@'      ;
POUND     : '#'      ;
NOT        : '~'     ;
RBRACE    : '}'      ;

/** Allow unicode rule/token names */
ID : a=NameStartChar NameChar*

```

```

{
  if ( Grammar.isTokenName($a.text) ) $type = TOKEN_REF;
  else $type = RULE_REF;
}
;

```

fragment

```

NameChar : NameStartChar
  | '0'..'9'
  | '_'
  | '\u00B7'
  | '\u0300'..\u036F'
  | '\u203F'..\u2040'
;

```

fragment

```

NameStartChar
  : 'A'..'Z' | 'a'..'z'
  | '\u00C0'..\u00D6'
  | '\u00D8'..\u00F6'
  | '\u00F8'..\u02FF'
  | '\u0370'..\u037D'
  | '\u037F'..\u1FFF'
  | '\u200C'..\u200D'
  | '\u2070'..\u218F'
  | '\u2C00'..\u2FEF'
  | '\u3001'..\uD7FF'
  | '\uF900'..\uFDCF'
  | '\uFDF0'..\uFEFE'
  | '\uFF00'..\uFFFD'
  ; // ignores | [\u10000-\uEFFFF] ;

```

// -----

// Literals embedded in actions

//

// Note that we have made the assumption that the language used within

// actions uses the fairly standard " and ' delimiters for literals and

// that within these literals, characters are escaped using the \ character.

// There are some languages which do not conform to this in all cases, such

// as by using /string/ and so on. We will have to deal with such cases if

// if they come up in targets.

//

// Within actions, or other structures that are not part of the ANTLR

// syntax, we may encounter literal characters. Within these, we do

// not want to inadvertently match things like '}' and so we eat them

// specifically. While this rule is called CHAR it allows for the fact that

// some languages may use/allow ' as the string delimiter.

```

//
fragment
ACTION_CHAR_LITERAL
: "\"" ((\\)=>ACTION_ESC | ~\" )* "\""
;

// Within actions, or other structures that are not part of the ANTLR
// syntax, we may encounter literal strings. Within these, we do
// not want to inadvertently match things like '}' and so we eat them
// specifically.
//
fragment
ACTION_STRING_LITERAL
: "\"" ((\\)=>ACTION_ESC | ~\" )* "\""
;

// Within literal strings and characters that are not part of the ANTLR
// syntax, we must allow for escaped character sequences so that we do not
// inadvertently recognize the end of a string or character when the terminating
// delimiter has been escaped.
//
fragment
ACTION_ESC
: "\\" .
;

// -----
// Integer
//
// Obviously (I hope) match an arbitrary long sequence of digits.
//
INT : ('0'..'9')+
;

// -----
// Source spec
//
// A fragment rule for picking up information about an originating
// file from which the grammar we are parsing has been generated. This allows
// ANTLR to report errors against the originating file and not the generated
// file.
//
fragment
SRC : 'src' WSCHARS+ file=ACTION_STRING_LITERAL WSCHARS+ line=INT
{
    // TODO: Add target specific code to change the source file name and current line number
    //
}

```

```

;

// -----
// Literal string
//
// ANTLR makes no distinction between a single character literal and a
// multi-character string. All literals are single quote delimited and
// may contain unicode escape sequences of the form \uxxxx or \u{xxxxxx},
// where x is a valid hexadecimal number.
STRING_LITERAL
: "\"" ( ( ESC_SEQ | ~("\|\"|\r|\n") ) ) *
  ( "\""
  | // Unterminated string literal
    {
      Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
      t.setLine(state.tokenStartLine);
      t.setText(state.text);
      t.setCharPositionInLine(state.tokenStartCharPositionInLine);
      grammarError(ErrorType.UNTERMINATED_STRING_LITERAL, t);
    }
  )
;

// A valid hex digit specification
//
fragment
HEX_DIGIT : ('0'..'9'|'a'..'f'|'A'..'F') ;

// Any kind of escaped character that we can embed within ANTLR
// literal strings.
//
fragment
ESC_SEQ
: '\\'
  (
    // The standard escaped character set such as tab, newline, etc...
    'b'|'t'|'n'|'f'|'r'|'\"'|'\\'

    | // A Java style Unicode escape sequence
    UNICODE_ESC

    | // A Swift/Hack style Unicode escape sequence
    UNICODE_EXTENDED_ESC

    | // An illegal escape sequence
    ~('b'|'t'|'n'|'f'|'r'|'\"'|'\\'|'u') // \x for any invalid x (make sure to match char here)
    {
      Token t = new CommonToken(input, state.type, state.channel, getCharIndex()-2, getCharIndex()-1);

```

```

        t.setText(t.getText());
        t.setLine(input.getLine());
        t.setCharPositionInLine(input.getCharPositionInLine()-2);
        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t, input.substring(getCharIndex()-
2,getCharIndex()-1));
    }
)
;

```

fragment

UNICODE\_ESC

@init {

```

// Flag to tell us whether we have a valid number of
// hex digits in the escape sequence

```

```

//

```

```

int hCount = 0;

```

```

}

```

```

: 'u' // Leadin for unicode escape sequence

```

```

// We now require 4 hex digits. Note though
// that we accept any number of characters
// and issue an error if we do not get 4. We cannot
// use an infinite count such as + because this
// might consume too many, so we lay out the lexical
// options and issue an error at the invalid paths.
//

```

```

(

```

```

(

```

```

    HEX_DIGIT { hCount++; }

```

```

    (

```

```

        HEX_DIGIT { hCount++; }

```

```

        (

```

```

            HEX_DIGIT { hCount++; }

```

```

            (

```

```

                // Four valid hex digits, we are good

```

```

                //

```

```

                HEX_DIGIT { hCount++; }

```

```

            | // Three valid digits

```

```

        )

```

```

    | // Two valid digits

```

```

    )

```

```

| // One valid digit

```

```

)

```

```

)

```

```

    |// No valid hex digits at all
)

// Now check the digit count and issue an error if we need to
//
{
    if (hCount < 4) {
        Interval badRange = Interval.of(getCharIndex()-2-hCount, getCharIndex());
        String lastChar = input.substring(badRange.b, badRange.b);
        if ( lastChar.codePointAt(0)=="\") {
            badRange.b--;
        }
        String bad = input.substring(badRange.a, badRange.b);
        Token t = new CommonToken(input, state.type, state.channel, badRange.a, badRange.b);
        t.setLine(input.getLine());
        t.setCharPositionInLine(input.getCharPositionInLine()-hCount-2);
        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t, bad);
    }
}
;

fragment
UNICODE_EXTENDED_ESC
: 'u{' // Leadin for unicode extended escape sequence

    HEX_DIGIT+ // One or more hexadecimal digits

    '}' // Leadout for unicode extended escape sequence

// Now check the digit count and issue an error if we need to
{
    int numDigits = getCharIndex()-state.tokenStartCharIndex-6;
    if (numDigits > 6) {
        Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-
1);
        t.setText(t.getText());
        t.setLine(input.getLine());
        t.setCharPositionInLine(input.getCharPositionInLine()-numDigits);
        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t,
input.substring(state.tokenStartCharIndex,getCharIndex()-1));
    }
}
;

// -----
// Whitespace
//
// Characters and character constructs that are of no import

```

```

// to the parser and are used to make the grammar easier to read
// for humans.
//
WS
: (
  ''
  | '\t'
  | '\r'
  | '\n'
  | '\f'
)+
{$channel=HIDDEN;}
;

// A fragment rule for use in recognizing end of line in
// rules like COMMENT.
//
fragment
NLCHARS
: '\n' | '\r'
;

// A fragment rule for recognizing traditional whitespace
// characters within lexer rules.
//
fragment
WSCHARS
: ' ' | '\t' | '\f'
;

// A fragment rule for recognizing both traditional whitespace and
// end of line markers, when we don't care to distinguish but don't
// want any action code going on.
//
fragment
WSNLCHARS
: ' ' | '\t' | '\f' | '\n' | '\r'
;

// This rule allows ANTLR 4 to parse grammars using the UTF-8 encoding with a
// byte order mark. Since this Unicode character doesn't appear as a token
// anywhere else in the grammar, we can simply skip all instances of it without
// problem. This rule will not break usage of \uFEFF inside a LEXER_CHAR_SET or
// STRING_LITERAL.
UnicodeBOM
: '\uFEFF' {skip();}
;

```

```

// -----
// Illegal Character
//
// This is an illegal character trap which is always the last rule in the
// lexer specification. It matches a single character of any value and being
// the last rule in the file will match when no other rule knows what to do
// about the character. It is reported as an error but is not passed on to the
// parser. This means that the parser to deal with the gramamr file anyway
// but we will not try to analyse or code generate from a file with lexical
// errors.
//
ERRCHAR
: .
{
    Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
    t.setLine(state.tokenStartLine);
    t.setText(state.text);
    t.setCharPositionInLine(state.tokenStartCharPositionInLine);
    String msg = getTokenErrorDisplay(t) + " came as a complete surprise to me";
    grammarError(ErrorType.SYNTAX_ERROR, t, msg);
    state.syntaxErrors++;
    skip();
}
;

```

Found in path(s):

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/ANTLRLexer.g  
No license file was found, but licenses were detected in source scan.

```

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*

```

```

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* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

```

```

/** ANTLR tool checks output templates are compatible with tool code generation.

```

```

* For now, a simple string match used on x.y of x.y.z scheme.

```

```

* Must match Tool.VERSION during load to templates.

```

```

*

```

```

* REQUIRED.

```

```

*/

```

```

pythonTypeInitMap ::= [
  "bool":"False",
  "int":"0",
  "float":"0.0",
  "str": "",
  default:"None" // anything other than a primitive type is an object
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>

```

```

# encoding: utf-8

```

```

from antlr4 import *

```

```

from io import StringIO

```

```

from typing.io import TextIO

```

```

import sys

```

```

<namedActions.header>

```

```

<parser>

```

```

>>

```

```

ListenerFile(file, header, namedActions) ::= <<

```

```

<fileHeader(file.grammarFileName, file.ANTLRVersion)>

```

```

from antlr4 import *

```

```

if __name__ is not None and "." in __name__:

```

```

    from <file.parserName> import <file.parserName>

```

```

else:

```

```

    from <file.parserName> import <file.parserName>
<header>

# This class defines a complete listener for a parse tree produced by <file.parserName>.
class <file.grammarName>Listener(ParseTreeListener):

    <file.listenerNames:{lname |
# Enter a parse tree produced by <file.parserName>#<lname>.
def enter<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    pass

# Exit a parse tree produced by <file.parserName>#<lname>.
def exit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    pass

}; separator="\n">

>>

```

```

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
if __name__ is not None and "." in __name__:
    from .<file.parserName> import <file.parserName>
else:
    from <file.parserName> import <file.parserName>
<header>

# This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

class <file.grammarName>Visitor(ParseTreeVisitor):

    <file.visitorNames:{lname |
# Visit a parse tree produced by <file.parserName>#<lname>.
def visit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    return self.visitChildren(ctx)

}; separator="\n">

del <file.parserName>

>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
# Generated from <grammarFileName> by ANTLR <ANTLRVersion>
>>

```

```

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(superClass)>
from .<superClass> import <superClass>

<endif>
<atn>

class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):

    grammarFileName = "<parser.grammarFileName>"

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    sharedContextCache = PredictionContextCache()

    literalNames = [ <parser.literalNames:{t | <t>}; null="\\"<INVALID>\\"", separator=", ", wrap, anchor> ]

    symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="\\"<INVALID>\\"", separator=", ", wrap, anchor> ]

    <parser.rules:{r | RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>

    ruleNames = [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ]

    EOF = <TokenLabelType().EOF
    <if(parser.tokens)>
    <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    <parser:(ctor())>

    <namedActions.members>

    <funcs; separator="\n">

    <if(sempredFuncs)>
    def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
        if self._predicates == None:
            self._predicates = dict()
    <parser.sempredFuncs.values:{f |
        self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n    ">
        pred = self._predicates.get(ruleIndex, None)

```

```

    if pred is None:
        raise Exception("No predicate with index:" + str(ruleIndex))
    else:
        return pred(localctx, predIndex)

<sempredFuncs.values; separator="\n">
<endif>

>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx:RuleContext, ruleIndex:int, actionIndex:int):
    if self._actions is None:
        actions = dict()
<recog.actionFuncs.values:{f]
    actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
    self._actions = actions
    action = self._actions.get(ruleIndex, None)
    if action is not None:
        action(localctx, actionIndex)
    else:
        raise Exception("No registered action for:" + str(ruleIndex))

<actionFuncs.values; separator="\n">

<endif>
<if(sempredFuncs)>
def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
    if self._predicates is None:
        preds = dict()
<recog.sempredFuncs.values:{f]
    preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
    self._predicates = preds
    pred = self._predicates.get(ruleIndex, None)
    if pred is not None:
        return pred(localctx, predIndex)
    else:
        raise Exception("No registered predicate for:" + str(ruleIndex))

<sempredFuncs.values; separator="\n">
<endif>

>>

parser_ctor(p) ::= <<
def __init__(self, input:TokenStream, output:TextIO = sys.stdout):

```

```

super().__init__(input, output)
self.checkVersion("<file.ANTLRVersion>")
self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
self._predicates = None

>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

def <r.name>_action(self, localctx:<r.ctxType> , actionIndex:int):
<actions:{index|
<if(first(actions))>
  if actionIndex == <index>:
    <actions.(index)>
<elseif(rest(actions))>
  elif actionIndex == <index>:
    <actions.(index)>
<endif> }; separator="\n">
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
def <r.name>_sempred(self, localctx:<r.ctxType>, predIndex:int):
  <actions:{index|
<if(first(actions))>
    if predIndex == <index>:
      return <actions.(index)>
<elseif(rest(actions))>
    elif predIndex == <index>:
      return <actions.(index)>
<endif> }; separator="\n">
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.name>(self<currentRule.args:{a | , <a.name><if(a.type)>:<a.type><endif>}>):

```

```

localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{ a | , <a.name>}>)
self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)
<namedActions.init>
<locals; separator="\n">
try:
    <code>
    <postamble; separator="\n">
    <namedActions.after>
<if(exceptions)>
<exceptions; separator="\n">
<else>
except RecognitionException as re:
    localctx.exception = re
    self._errHandler.reportError(self, re)
    self._errHandler.recover(self, re)
<endif>
finally:
    <finallyAction>
    self.exitRule()
return localctx

>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{ l | <altLabelCtxs.(l)>}; separator="\n">

```

```

def <currentRule.name>(self, _p:int=0<if(currentRule.args)>, <args:{ a | , <a>}><endif>):
    _parentctx = self._ctx
    _parentState = self.state
    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{ a | , <a.name>}>)
    _prevctx = localctx
    _startState = <currentRule.startState>
    self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    except RecognitionException as re:
        localctx.exception = re
        self._errHandler.reportError(self, re)
        self._errHandler.recover(self, re)
    finally:

```

```

    <finallyAction>
    self.unrollRecursionContexts(_parentctx)
    return localctx

>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

LL1AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  pass}; separator="\nel">
else:
  <error>

>>

LL1OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  pass}; separator="\nel">
else:
  pass
>>

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">

```

```

if <expr>:
    <alts; separator="\n">

<!else if ( !(<followExpr> ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
while <loopExpr>:
    <alts; separator="\n">
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    <iteration>

>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
    <alts; separator="\n">
    self.state = <choice.stateNumber> <! loopback/exit decision !>
    self._errHandler.sync(self)
    <iteration>
    if not (<loopExpr>):
        break

>>

```

```
// LL(*) stuff
```

```

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{ alt |
if la_ == <i>:
    <alt>
    pass
}; separator="\nel">

>>

```

```

OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{ alt |
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
}; separator="\nел">

>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
  if _alt==1<if(!choice.ast.greedy)>+1<endif>:
    <iteration>
    <alts> <! should only be one !>
  self.state = <choice.loopBackStateNumber>
  self._errHandler.sync(self)
  _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

>>

```

```

PlusBlock(choice, alts, error) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
  <alts:{ alt |
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
}; separator="\nел">
  else:
    <error>
  self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>
  self._errHandler.sync(self)
  _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

>>

```

```

Sync(s) ::= "sync(<s.expecting.name>)"

```

```

ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"

```

```

TestSetInline(s) ::= <<

```

```

<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" or ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> and ((1 \<< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<< <offsetShiftType(ttype, bits.shift)>)}; separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><parser.name>.<shiftAmount> - <offset><else><parser.name>.<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>==<parser.name>.<ttype>}; separator=" or ">
%>

cases(ttypes) ::= <<
if token in [<ttypes:{t | <parser.name>.<t>}; separator=", ">]:
>>

InvokeRule(r, argExprsChunks) ::= <<
self.state = <r.stateNumber>
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>self.<r.name><(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChu
nks>)
>>

MatchToken(m) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)
>>

```

```

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr><endif>:
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><else> <endif>self._errHandler.recoverInline(self)
else:
    self._errHandler.reportMatch(self)
    self.consume()
>>

Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>self.matchWildcard()
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
    from antlr4.error.Errors import FailedPredicateException
    raise FailedPredicateException(self, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>)
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip()"
LexerMoreCommand() ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg, grammar) ::= "_type = <arg>"

```

```

LexerChannelCommand(arg, grammar) ::= "_channel = <arg>"
LexerModeCommand(arg, grammar) ::= "_mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a) ::= "localctx.<a.name>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(0 if (<ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(None if <ctx(r)>.<r.label> is None else
self._input.getText((<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop)))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "self._input.getText((localctx.start, self._input.LT(-1)))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "self.<t.name> = None # <TokenLabelType()>"
TokenTypeDecl(t) ::= "self.<t.name> = 0 # <TokenLabelType()> type"
TokenListDecl(t) ::= "self.<t.name> = list() # of <TokenLabelType()>s"

```

```

RuleContextDecl(r) ::= "self.<r.name> = None # <r.ctxName>"
RuleContextListDecl(rdecl) ::= "self.<rdecl.name> = list() # of <rdecl.ctxName>s"

ContextTokenGetterDecl(t) ::= <<
def <t.name>(self):
    return self.getToken(<parser.name>.<t.name>, 0)
>>

// should never be called
ContextTokenListGetterDecl(t) ::= <<
def <t.name>_list(self):
    return self.getTokens(<parser.name>.<t.name>)
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
def <t.name>(self, i:int=None):
    if i is None:
        return self.getTokens(<parser.name>.<t.name>)
    else:
        return self.getToken(<parser.name>.<t.name>, i)
>>

ContextRuleGetterDecl(r) ::= <<
def <r.name>(self):
    return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)
>>

// should never be called
ContextRuleListGetterDecl(r) ::= <<
def <r.name>_list(self):
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
def <r.name>(self, i:int=None):
    if i is None:
        return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
    else:
        return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.

```

```

*/
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name><(if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):

    def __init__(self, parser, parent:ParserRuleContext=None, invokingState:int=-1<struct.ctorAttrs:{ a | ,
<a.name><(if(a.type)><a.type><endif>=None}>):
        super().__init__(parent, invokingState)
        self.parser = parser
        <attrs:{ a | <a>}; separator="\n">
        <struct.ctorAttrs:{ a | self.<a.name> = <a.name>}; separator="\n">

        <getters:{ g | <g>}; separator="\n\n">

    def getRuleIndex(self):
        return <parser.name>.RULE_<struct.derivedFromName>

<(if(struct.provideCopyFrom)><! don't need copy unless we have subclasses !>
    def copyFrom(self, ctx:ParserRuleContext):
        super().copyFrom(ctx)
        <struct.attrs:{ a | self.<a.name> = ctx.<a.name>}; separator="\n">

<endif>
    <dispatchMethods; separator="\n">
    <extensionMembers; separator="\n">

>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
class <struct.name><(currentRule.name; format="cap">Context):

    def __init__(self, parser, ctx:ParserRuleContext): # actually a <parser.name>.<currentRule.name;
format="cap">Context
        super().__init__(parser)
        <attrs:{ a | <a>}; separator="\n">
        self.copyFrom(ctx)

    <getters:{ g | <g>}; separator="\n">

```

```

    <dispatchMethods; separator="\n">

>>

ListenerDispatchMethod(method) ::= <<
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener:ParseTreeListener):
    if hasattr( listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">" ):
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)

>>

VisitorDispatchMethod(method) ::= <<
def accept(self, visitor:ParseTreeVisitor):
    if hasattr( visitor, "visit<struct.derivedFromName; format="cap">" ):
        return visitor.visit<struct.derivedFromName; format="cap">(self)
    else:
        return visitor.visitChildren(self)

>>

AttributeDecl(d) ::= "self.<d.name> = <if(d.initValue)><d.initValue><else>None<endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "self.precpred(self._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=<src>.<name>"
recRuleSetStopToken() ::= "self._ctx.stop = self._input.LT(-1)"

recRuleAltStartAction(ruleName, ctxName, label) ::= <<
localctx = <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
<if(label)>localctx.<label> = _prevctx<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = <parser.name>.<currentAltLabel; format="cap">Context(self, <parser.name>.<ruleName;
format="cap">Context(self, _parentctx, _parentState))
<if(label)>
<if(isListLabel)>
localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>

```

```

<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleReplaceContext(ctxName) ::= <<
localctx = <parser.name>.<ctxName>Context(self, localctx)
self._ctx = localctx
_prevctx = localctx
>>

recRuleSetPrevCtx() ::= <<
if self._parseListeners is not None:
    self.triggerExitRuleEvent()
_prevctx = localctx
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
from antlr4 import *
from io import StringIO
from typing.io import TextIO
import sys

<namedActions.header>

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<

<atn>

class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

<if(lexer.channels)>
    <lexer.channels:{c| <c> = <lexer.channels.(c)>}; separator="\n">

<endif>
<if(rest(lexer.modes)>
    <rest(lexer.modes):{m| <m> = <i>}; separator="\n">

<endif>
    <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator="\n", wrap, anchor>

```

```

channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channels)>, <lexer.channels:{c|
u"<c>"}; separator=", ", wrap, anchor><endif> ]

modeNames = [ <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor> ]

literalNames = [ "\<INVALID>",
  <lexer.literalNames:{t | <t>}; separator=", ", wrap, anchor> ]

symbolicNames = [ "\<INVALID>",
  <lexer.symbolicNames:{t | <t>}; separator=", ", wrap, anchor> ]

ruleNames = [ <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ]

grammarFileName = "<lexer.grammarFileName>"

def __init__(self, input=None, output:TextIO = sys.stdout):
    super().__init__(input, output)
    self.checkVersion("<lexerFile.ANTLRVersion>")
    self._interp = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
    self._actions = None
    self._predicates = None

<namedActions.members>

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

def serializedATN():
    with StringIO() as buf:
        buf.write("<model.serialized; wrap={ }<n>    buf.write({ }>")
        return buf.getvalue()

>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<pythonTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".py"

```

Found in path(s):

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/templates/codegen/Python3/Python3.stg

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\*/

tree grammar ATNBuilder;

```
options {
    language = Java;
    tokenVocab = ANTLRParser;
    ASTLabelType = GrammarAST;
    // filter = true;
}
```

// Include the copyright in this source and also the generated source

@header {

/\*

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\*/

```
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import org.antlr.v4.automata.ATNFactory;
}
```

```
@members {
    ATNFactory factory;
    public ATNBuilder(TreeNodeStream input, ATNFactory factory) {
        this(input);
        this.factory = factory;
    }
}
```

dummy : block[null] ; // avoid error about no start rule

ruleBlock[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]

```
@init {
    List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();
    int alt = 1;
    factory.setCurrentOuterAlt(alt);
}
: ^(BLOCK
    (^ (OPTIONS .*))?)?
    ( a=alternative
        {alts.add($a.p); factory.setCurrentOuterAlt(++alt);}
    )+
)
{ $p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts); }
;
```

block[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]

```
@init {List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();}
: ^(BLOCK (^ (OPTIONS .*))?)? (a=alternative {alts.add($a.p);})+
{ $p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts); }
;
```

alternative returns [ATNFactory.Handle p]

```
@init {List<ATNFactory.Handle> els = new ArrayList<ATNFactory.Handle>();}
: ^(LEXER_ALT_ACTION a=alternative lexerCommands)
    { $p = factory.lexerAltCommands($a.p,$lexerCommands.p); }
| ^(ALT elementOptions? EPSILON)    { $p = factory.epsilon($EPSILON); }
```

```

| ^(ALT elementOptions? (e=element {els.add($e.p);})+) {$p = factory.alt(els);}
;

lexerCommands returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> cmds = new ArrayList<ATNFactory.Handle>();}
: (c=lexerCommand {if ($c.cmd != null) cmds.add($c.cmd);})+
{
    $p = factory.alt(cmds);
}
;

lexerCommand returns [ATNFactory.Handle cmd]
: ^(LEXER_ACTION_CALL ID lexerCommandExpr)
    {$cmd = factory.lexerCallCommand($ID, $lexerCommandExpr.start);}
| ID
    {$cmd = factory.lexerCommand($ID);}
;

lexerCommandExpr
: ID
| INT
;

element returns [ATNFactory.Handle p]
: labeledElement {$p = $labeledElement.p;}
| atom {$p = $atom.p;}
| subrule {$p = $subrule.p;}
| ACTION {$p = factory.action((ActionAST)$ACTION);}
| SEMPRED {$p = factory.sempred((PredAST)$SEMPRED);}
| ^(ACTION .) {$p = factory.action((ActionAST)$ACTION);}
| ^(SEMPRED .) {$p = factory.sempred((PredAST)$SEMPRED);}
| ^(NOT b=blockSet[true]) {$p = $b.p;}
| LEXER_CHAR_SET {$p = factory.charSetLiteral($start);}
;

astOperand returns [ATNFactory.Handle p]
: atom {$p = $atom.p;}
| ^(NOT blockSet[true]) {$p = $blockSet.p;}
;

labeledElement returns [ATNFactory.Handle p]
: ^(ASSIGN ID element) {$p = factory.label($element.p);}
| ^(PLUS_ASSIGN ID element) {$p = factory.listLabel($element.p);}
;

subrule returns [ATNFactory.Handle p]
: ^(OPTIONAL block[$start]) {$p = $block.p;}
| ^(CLOSURE block[$start]) {$p = $block.p;}

```

```

| ^(POSITIVE_CLOSURE block[$start]) {$p = $block.p;}
| block[null]    {$p = $block.p;}
;

blockSet[boolean invert] returns [ATNFactory.Handle p]
@init {List<GrammarAST> alts = new ArrayList<GrammarAST>();}
: ^(SET (setElement {alts.add($setElement.start);})+) {$p = factory.set($start, alts, $invert);}
;

/** Don't combine with atom otherwise it will build spurious ATN nodes */
setElement
: ^(STRING_LITERAL .)
| ^(TOKEN_REF .)
| STRING_LITERAL
| TOKEN_REF
| ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
| LEXER_CHAR_SET
;

atom returns [ATNFactory.Handle p]
: range    {$p = $range.p;}
| ^(DOT ID terminal) {$p = $terminal.p;}
| ^(DOT ID ruleref) {$p = $ruleref.p;}
| ^(WILDCARD .) {$p = factory.wildcard($start);}
| WILDCARD    {$p = factory.wildcard($start);}
| blockSet[false] {$p = $blockSet.p;}
| terminal    {$p = $terminal.p;}
| ruleref     {$p = $ruleref.p;}
;

ruleref returns [ATNFactory.Handle p]
: ^(RULE_REF ARG_ACTION? ^(ELEMENT_OPTIONS .*)) {$p = factory.ruleRef($RULE_REF);}
| ^(RULE_REF ARG_ACTION?)    {$p = factory.ruleRef($RULE_REF);}
| RULE_REF    {$p = factory.ruleRef($RULE_REF);}
;

range returns [ATNFactory.Handle p]
: ^(RANGE a=STRING_LITERAL b=STRING_LITERAL) {$p = factory.range($a,$b);}
;

terminal returns [ATNFactory.Handle p]
: ^(STRING_LITERAL .) {$p = factory.stringLiteral((TerminalAST)$start);}
| STRING_LITERAL    {$p = factory.stringLiteral((TerminalAST)$start);}
| ^(TOKEN_REF ARG_ACTION .) {$p = factory.tokenRef((TerminalAST)$start);}
| ^(TOKEN_REF .)    {$p = factory.tokenRef((TerminalAST)$start);}
| TOKEN_REF    {$p = factory.tokenRef((TerminalAST)$start);}
;

```

```
elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;
```

```
elementOption
: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)
| ^(ASSIGN ID INT)
;
```

Found in path(s):

\* /opt/cola/permits/1274703849\_1645234551.46/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/ATNBuilder.g

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## 1.746 @babel/plugin-syntax-json-strings 7.8.3

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## 1.753 strip-bom 3.0.0

## 1.754 minimist 1.2.6

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## 1.758 object-assign 4.1.1

## 1.759 doxia-sitetools 1.0

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## 1.760 spring-cloud-kubernetes-::-discovery

### 2.1.3

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\* /opt/cola/permits/1664524904\_1684135522.0736082/0/spring-cloud-kubernetes-discovery-2-1-3-jar/META-INF/maven/org.springframework.cloud/spring-cloud-kubernetes-discovery/pom.xml

## 1.761 globjoin 0.1.4

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## 1.763 types-stack-utils 2.0.1

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```
* /opt/cola/permits/1642073281_1681948407.6909108/0/feign-okhttp-10-2-0-sources-2-
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```
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```

```
INF/maven/io.github.openfeign/feign-okhttp/pom.xml
```

# 1.765 java-architecture-for-xml-binding 2.4.0-b180830.0359

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# 1.767 @types/content-disposition 0.5.5

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# 1.768 spdx-license-ids 3.0.12

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## Installation

[Download JSON directly](https://raw.githubusercontent.com/jslicense/spdx-license-ids/main/index.json), or  
[use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm/):

...

```
npm install spdx-license-ids
```

...

## [Node.js](https://nodejs.org/) API

### require('spdx-license-ids')

Type: `string[]`

All license IDs except for the currently deprecated ones.

```
```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true

ids.includes('GPL-3.0'); //=> false
```
```

### require('spdx-license-ids/deprecated')

Type: `string[]`

Deprecated license IDs.

```
```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```
```

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# 1.769 yallist 4.0.0

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\* /opt/cola/permits/1628810392\_1680727611.3625176/0/spring-cloud-openfeign-core-3-1-3-4-jar/META-INF/maven/org.springframework.cloud/spring-cloud-openfeign-core/pom.xml

## 1.772 terminal-link 2.1.1

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## 1.776 json-smart 2.4.7

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```
* /opt/cola/permits/1183889917_1627493840.74/0/json-smart-2-4-7-sources-1-
jar/net/minidev/json/writer/DefaultMapper.java
```

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```

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- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/parser/JSONParserByteArray.java
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- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/JStylerObj.java
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- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/JSONUtil.java
- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/writer/CompressorMapper.java
- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/parser/ParseException.java
- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/JSONValue.java
- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/parser/JSONParserMemory.java
- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/writer/DefaultMapperCollection.java
- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/JSONNavi.java
- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/writer/BeansMapper.java
- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/writer/CollectionMapper.java
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- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/parser/JSONParserBase.java
- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/JSONAware.java
- \* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/writer/JsonReader.java

\* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/JSONObject.java  
\* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/parser/JSONParserInputStream.java  
\* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/writer/DefaultMapperOrdered.java  
\* /opt/cola/permits/1183889917\_1627493840.74/0/json-smart-2-4-7-sources-1-jar/net/minidev/json/parser/JSONParserReader.java

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## 1.777 types-istanbul-lib-coverage 2.0.4

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\* Project home: <https://projects.eclipse.org/projects/ee4j.jta>

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\* <https://github.com/eclipse-ee4j/jta-api>

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## 1.782 fs.realpath 1.0.0

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## 1.783 jest-from-facebook 28.1.3

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## 1.784 esutils 2.0.3

## 1.785 babel-plugin-syntax-nullish-coalescing-operator 7.8.3

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## 1.786 latencyutils 2.0.3

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```

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## 1.787 imurmurhash 0.1.4

## 1.788 hikaricp HikariCP-4.0.3

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\* /bin/grep

## 1.798 delayed-stream 1.0.0

## 1.799 postcss-media-query-parser 0.2.3

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# 1.800 babel-plugin-istanbul 6.1.1

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# 1.801 readdirp 3.6.0

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## 3.1.3

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# 1.803 open-feign-forms-extension-for-spring

## 3.8.0

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# 1.804 thymeleaf-extras-java8time

## 3.0.4.RELEASE

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## 1.806 jest-transform 28.1.3

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## 1.808 apache-log4j-to-slf4j-adapter 2.17.2

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## 1.809 spring-boot-test-auto-configure 2.7.11

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tgz/package/build/cjs/utils/getFacetedUniqueValues.js  
\* /opt/cola/permits/1645466549\_1681905196.6159863/0/table-core-8-5-15-tgz/package/build/cjs/core/row.js  
\* /opt/cola/permits/1645466549\_1681905196.6159863/0/table-core-8-5-15-  
tgz/package/build/cjs/features/Ordering.js  
\* /opt/cola/permits/1645466549\_1681905196.6159863/0/table-core-8-5-15-  
tgz/package/build/cjs/features/Pagination.js

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\* /opt/cola/permits/1645466549\_1681905196.6159863/0/table-core-8-5-15-tgz/package/build/stats-html.html

## 1.811 @types/body-parser 1.19.2

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## 1.812 html-tags 3.2.0

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## 1.813 webcrypto-core 1.7.5

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## 1.814 j2objc-annotations 1.3

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- \* /opt/cola/permits/1131003150\_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/RetainedWith.java
- \* /opt/cola/permits/1131003150\_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/Property.java
- \* /opt/cola/permits/1131003150\_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/LoopTranslation.java
- \* /opt/cola/permits/1131003150\_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/ObjectiveCName.java
- \* /opt/cola/permits/1131003150\_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/ReflectionSupport.java
- \* /opt/cola/permits/1131003150\_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/RetainedLocalRef.java
- \* /opt/cola/permits/1131003150\_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/J2ObjCIncompatible.java

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- \* /opt/cola/permits/1131003150\_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/Weak.java
- \* /opt/cola/permits/1131003150\_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/AutoreleasePool.java
- \* /opt/cola/permits/1131003150\_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/WeakOuter.java

# 1.815 node-glob 7.2.3

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# 1.816 @emotion/memoize 0.7.5

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## 1.817 google-gson 2.10

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Manifest-Version: 1.0  
Created-By: 17.0.4.1 (Oracle Corporation)  
Build-Jdk-Spec: 17  
Bnd-LastModified: 1666660169762  
Bundle-ContactAddress: <https://github.com/google/gson>  
Bundle-Description: Gson JSON library  
Bundle-DocURL: <https://github.com/google/gson/gson>  
Bundle-License: "Apache-2.0";link="<https://www.apache.org/licenses/LICENSE-2.0.txt>"  
Bundle-ManifestVersion: 2  
Bundle-Name: Gson  
Bundle-RequiredExecutionEnvironment: JavaSE-1.7, JavaSE-1.8  
Bundle-SCM: url="<https://github.com/google/gson/gson/>",connection="scm:git:<https://github.com/google/gson.git/gson>",developer-connection="scm:git:[github.com:google/gson.git/gson](https://github.com/google/gson.git/gson)",tag="gson-parent-2.10"  
Bundle-SymbolicName: com.google.gson  
Bundle-Vendor: Google Gson Project  
Bundle-Version: 2.10.0  
Export-Package: com.google.gson;uses:="com.google.gson.reflect,com.google.gson.stream";version="2.10.0",com.google.gson.annotations;version="2.10.0",com.google.gson.reflect;version="2.10.0",com.google.gson.stream;version="2.10.0"  
Import-Package: sun.misc;resolution:=optional,com.google.gson.annotations  
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"  
Tool: Bnd-6.3.1.202206071316  
Multi-Release: true

Found in path(s):

\* /opt/cola/permits/1498798556\_1670357896.979593/0/gson-2-10-jar/META-INF/MANIFEST.MF

## 1.818 brave-instrumentation-apache-httpclient-v 5.13.9

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## 1.820 newtonsoft-json 13.0.1

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```

Found in path(s):

```
* /opt/cola/permits/1642164828_1681735449.886747/0/osgl-version-2-0-0-beta-4-java7-sources-
jar/osgl/version/Version.java
* /opt/cola/permits/1642164828_1681735449.886747/0/osgl-version-2-0-0-beta-4-java7-sources-
jar/osgl/version/package-info.java
* /opt/cola/permits/1642164828_1681735449.886747/0/osgl-version-2-0-0-beta-4-java7-sources-
jar/osgl/version/PropertyLoader.java
* /opt/cola/permits/1642164828_1681735449.886747/0/osgl-version-2-0-0-beta-4-java7-sources-
jar/osgl/version/Versioned.java
```

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```
* /opt/cola/permits/1642164828_1681735449.886747/0/osgl-version-2-0-0-beta-4-java7-sources-jar/META-
INF/maven/org.osgl/osgl-version/pom.xml
```

# 1.822 @adobe/css-tools 4.0.1

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## 1.825 jaxb-api 2.3.1.1

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# 1.828 universalify 2.0.0

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## 1.829 babel-plugin-syntax-top-level-await

### 7.14.5

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## 1.830 jest-environment 28.1.3

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## 1.832 typicode-husky 8.0.1

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## 1.834 testing-library-jest-dom 5.16.5

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## 1.835 clsx 1.2.1

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## 1.836 yargs 17.6.0

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# 1.837 functionality-for-the-reactor-netty-library 1.0.31

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## 1.838 postcss-value-parser 4.2.0

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## 1.839 array-prototype-flatmap 1.3.0

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## 1.840 node-glob 7.1.7

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## 1.841 netty/resolver/dns/classes/macos

### 4.1.91.Final

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\* /opt/cola/permits/1668653341\_1684135715.8957944/0/netty-resolver-dns-classes-macos-4-1-91-final-jar/META-INF/maven/io.netty/netty-resolver-dns-classes-macos/pom.xml

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Manifest-Version: 1.0

Implementation-Title: Netty/Resolver/DNS/Classes/MacOS

Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.

Automatic-Module-Name: io.netty.resolver.dns.classes.macos

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0>

Bundle-SymbolicName: io.netty.resolver-dns-classes-macos

Implementation-Version: 4.1.91.Final

Built-By: norman

Bnd-LastModified: 1680521503109

Bundle-ManifestVersion: 2

Implementation-Vendor-Id: io.netty

Bundle-DocURL: <https://netty.io/>

Bundle-Vendor: The Netty Project

Import-Package: io.netty.channel.unix;version="[4.1,5)",io.netty.resolver.dns;version="[4.1,5)",io.netty.util.internal;version="[4.1,5)",io.netty.util.internal.logging;version="[4.1,5)",sun.nio.ch;resolution:=optional,org.eclipse.jetty.npn;version="[1,2)";resolution:=optional,org.eclipse.jetty.alpn;version="[1,2)";resolution:=optional

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"

Tool: Bnd-6.3.1.202206071316

Implementation-Vendor: The Netty Project

Export-Package: io.netty.resolver.dns.macos;uses="io.netty.resolver.dns";version="4.1.91"

Bundle-Name: Netty/Resolver/DNS/Classes/MacOS

Bundle-Version: 4.1.91.Final

Build-Jdk-Spec: 1.8

Created-By: Apache Maven Bundle Plugin 5.1.8

Build-Jdk: 1.8.0\_252

Implementation-URL: <https://netty.io/netty-resolver-dns-classes-macos/>

Found in path(s):

\* /opt/cola/permits/1668653341\_1684135715.8957944/0/netty-resolver-dns-classes-macos-4-1-91-final-jar/META-INF/MANIFEST.MF

## 1.842 require-from-string 2.0.2

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## 1.843 safe-regex-test 1.0.0

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# 1.844 jackson-core 2.13.5

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## 1.848 logback-core 1.2.12

### 1.848.1 Available under license :

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```
/**
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 */
```

Found in path(s):

```
* /opt/cola/permits/1646236351_1681958177.07469/0/logback-core-1-2-12-sources-1-
jar/ch/qos/logback/core/pattern/color/ForegroundCompositeConverterBase.java
* /opt/cola/permits/1646236351_1681958177.07469/0/logback-core-1-2-12-sources-1-
jar/ch/qos/logback/core/encoder/LayoutWrappingEncoder.java
* /opt/cola/permits/1646236351_1681958177.07469/0/logback-core-1-2-12-sources-1-
jar/ch/qos/logback/core/pattern/SpacePadder.java
* /opt/cola/permits/1646236351_1681958177.07469/0/logback-core-1-2-12-sources-1-
jar/ch/qos/logback/core/pattern/parser/FormattingNode.java
* /opt/cola/permits/1646236351_1681958177.07469/0/logback-core-1-2-12-sources-1-
jar/ch/qos/logback/core/rolling/SizeBasedTriggeringPolicy.java
* /opt/cola/permits/1646236351_1681958177.07469/0/logback-core-1-2-12-sources-1-
jar/ch/qos/logback/core/net/ssl/SSLParametersConfiguration.java
* /opt/cola/permits/1646236351_1681958177.07469/0/logback-core-1-2-12-sources-1-
jar/ch/qos/logback/core/joran/spi/DefaultClass.java
* /opt/cola/permits/1646236351_1681958177.07469/0/logback-core-1-2-12-sources-1-
jar/ch/qos/logback/core/joran/event/BodyEvent.java
* /opt/cola/permits/1646236351_1681958177.07469/0/logback-core-1-2-12-sources-1-
jar/ch/qos/logback/core/util/Duration.java
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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/SyslogConstants.java  
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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/DefaultSocketConnector.java  
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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/Loader.java  
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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/ActionException.java  
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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/SystemInfo.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/AutoFlushingObjectWriter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/GrayCompositeConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/event/EndEvent.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/ShutdownHookAction.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/ConversionRuleAction.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/server/RemoteReceiverServerRunner.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/BoldRedCompositeConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/helper/MonoTypedConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/ContextAware.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/LifeCycle.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/server/Client.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/SSLContextFactoryBean.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/WhiteCompositeConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/LocationUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/server/ServerListener.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/encoder/Encoder.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/EventPlayer.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/helper/IntegerTokenConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/NestedComplexPropertyIA.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/sift/AbstractDiscriminator.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/TriggeringPolicy.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/helpers/CyclicBuffer.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/AppenderAttachable.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/encoder/EncoderBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/event/stax/BodyEvent.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/server/RemoteReceiverStreamClient.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/conditional/PropertyWrapperForScripts.java

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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/event/SaxEventRecorder.java

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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/subst/NodeToStringTransformer.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/boolex/Matcher.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/AbstractSocketAppender.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ObjectWriterFactory.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/status/StatusListener.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/ScanException.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/helpers/NOPAppender.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/IncompatibleClassException.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/hook/DelayingShutdownHook.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/PropertySetterException.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/ActionConst.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/util/IEscapeUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/server/RemoteReceiverClient.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/SimpleRuleStore.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/subst/Tokenizer.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/SSLConfigurableSocket.java

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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/event/StartEvent.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/PatternLayoutEncoderBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/BoldGreenCompositeConverter.java

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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/CachingDateFormatter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/DefaultInvocationGate.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/event/stax/EndEvent.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ObjectWriter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/BoldYellowCompositeConverter.java

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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/StatusListenerAction.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/StatusPrinter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/SizeAndTimeBasedFNATP.java

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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/PropertyDefiner.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/JoranException.java

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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/CyclicBufferTracker.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/OptionHelper.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/DefaultNestedComponentRegistry.java

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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/DefinePropertyAction.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/recovery/ResilientOutputStreamBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/RollingPolicy.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/SyslogOutputStream.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/BoldMagentaCompositeConverter.java

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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/Converter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/status/OnConsoleStatusListener.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/FilterAttachable.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/ConsoleAppender.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/DatePatternToRegexUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/ConfigurableSSLSocketFactory.java

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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/SocketConnector.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/boolex/JaninoEventEvaluatorBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/QueueFactory.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/status/OnPrintStreamStatusListenerBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/ANSIConstants.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/event/SaxEvent.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/boolex/EventEvaluator.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/html/CssBuilder.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/ContextUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/RollingPolicyBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/property/ResourceExistsPropertyDefiner.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/StatusListenerConfigHelper.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/ContextBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/hook/ShutdownHookBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/FixedWindowRollingPolicy.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/helper/PeriodicityType.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/ConverterUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/helper/FileStoreUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/encoder/NonClosableInputStream.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/event/stax/StaxEvent.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/TimeBasedRollingPolicy.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/LogbackException.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/CoreConstants.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/ContextPropertyAction.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/util/StringToObjectConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/parser/Node.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/AppenderRefAction.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/helper/Compressor.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/GreenCompositeConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/SSLNestedComponentRegistryRules.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/AppenderBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/helper/TokenConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/AbstractSSLSocketAppender.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/helpers/ThrowableToStringArray.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/ConsoleTarget.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/PatternLayoutBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/status/StatusUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/TimeUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/server/ServerRunner.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/DynamicConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/helper/TimeBasedArchiveRemover.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/status/HttpStatus.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/ActionUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/subst/Parser.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/RuleStore.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/property/FileExistsPropertyDefiner.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/GenericConfigurator.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/BlueCompositeConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/DefaultTimeBasedFileNamingAndTriggeringPolicy.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/status/ViewStatusMessagesServletBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/NestedBasicPropertyIA.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/ContextAwareBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/PropertyContainer.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/IADDataForComplexProperty.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/DeferredProcessingAware.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/PropertyDefinerBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/status/Status.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/MagentaCompositeConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/SMTPAppenderBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/TimeBasedFileNamingAndTriggeringPolicyBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/FileUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/NoAutoStart.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/SecureRandomFactoryBean.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/AsyncAppenderBase.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/BoldCyanCompositeConverter.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/BoldWhiteCompositeConverter.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/RollingFileAppender.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/sift/AppenderTracker.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/AbstractComponentTracker.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/IADDataForBasicProperty.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/conditional/ThenAction.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/server/ClientVisitor.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/helper/RenameUtil.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/SSLConfigurable.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/PostCompileProcessor.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/CharSequenceToRegexMapper.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/NoAutoStartUtil.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/parser/Parser.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/ContextAwareImpl.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/encoder/ByteArrayUtil.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/Interpreter.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/helper/RollingCalendar.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/parser/Compiler.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/FileAppender.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/conditional/ElseAction.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/DelayStrategy.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/YellowCompositeConverter.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/layout/EchoLayout.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/ImplicitAction.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/SSL.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/conditional/Condition.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/subst/Node.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/PropertyAction.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/RolloverFailure.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/sift/Discriminator.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/server/ConcurrentServerRunner.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/Appender.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/encoder/EchoEncoder.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/NOPAction.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/sift/SiftingAppenderBase.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/status/OnErrorConsoleStatusListener.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/conditional/IfAction.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/color/BoldBlueCompositeConverter.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/conditional/PropertyEvalScriptBuilder.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/ContentTypeUtil.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/FileSize.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/util/AsIsEscapeUtil.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/ComponentTracker.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/ParamAction.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/recovery/ResilientSyslogOutputStream.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/XMLUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/boolex/EventEvaluatorBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/parser/CompositeNode.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/AggregationType.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/util/RestrictedEscapeUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/LifeCycleManager.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/IdentityCompositeConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/filter/Filter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/event/stax/StaxEventRecorder.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/InterpretationContext.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/helper/FileFilterUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/recovery/RecoveryCoordinator.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/sift/SiftingJoranConfiguratorBase.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/FormatInfo.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/status/StatusListenerAsList.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/TimestampAction.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/filter/EvaluatorFilter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/ReplacingCompositeConverter.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/SSLConfigurableServerSocket.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/TrustManagerFactoryFactoryBean.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/helper/ArchiveRemover.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/util/AlmostAsIsEscapeUtil.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/read/CyclicBufferAppender.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/FilterAttachableImpl.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/Action.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/util/ConfigurationWatchListUtil.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/sift/AppenderFactory.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/ElementPath.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/AppenderAttachableImpl.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/AppenderAction.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/ConfigurableSSLServerSocketFactory.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/util/RegularEscapeUtil.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/server/ServerSocketListener.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/UnsynchronizedAppenderBase.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/status/NopStatusListener.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/hook/ShutdownHook.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/ConfigurationWatchList.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/PreSerializationTransformer.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/event/stax/StartEvent.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/ElementSelector.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/html/NOPTrowableRenderer.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/spi/LogbackLock.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/conditional/ThenOrElseActionBase.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/LoginAuthenticator.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/BasicStatusManager.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/parser/TokenStream.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/KeyStoreFactoryBean.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/node/ComponentNode.java  
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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/JNDIUtil.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/SyslogAppenderBase.java  
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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/util/StringCollectionUtil.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/boolex/EvaluationException.java  
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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/filter/AbstractMatcherFilter.java  
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\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/action/NewRuleAction.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/spi/HostClassAndPropertyDouble.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/OutputStreamAppender.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/server/SSLServerSocketAppenderBase.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/pattern/FormattingConverter.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/TimeBasedFileNamingAndTriggeringPolicy.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/joran/JoranConfiguratorBase.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/ssl/KeyManagerFactoryFactoryBean.java

\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/rolling/TriggeringPolicyBase.java  
\* /opt/cola/permits/1646236351\_1681958177.07469/0/logback-core-1-2-12-sources-1-jar/ch/qos/logback/core/net/server/RemoteReceiverServerListener.java

## 1.849 strip-bom 4.0.0

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## 1.850 cliui 8.0.1

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# 1.851 @commitlint/types 17.0.0

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# 1.852 spring-security 5.7.8

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```

## 1.854 axobject-query 2.2.0

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## 1.855 types-accepts 1.3.5

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## 1.861 @babel/helper-hoist-variables 7.18.6

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## 1.863 nodejs-exit 0.1.2

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```

Found in path(s):

```
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/template/TemplateChunk.java
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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/template/UriUtils.java
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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/querymap/BeanQueryMapEncoder.java
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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/AsyncJoinException.java
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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Target.java
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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/CollectionFormat.java
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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/RequestLine.java
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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Body.java
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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/auth/Base64.java
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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/HeaderMap.java
```

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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-
```

jar/feign/AsyncResponseHandler.java  
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jar/feign/codec/EncodeException.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/codec/ErrorDecoder.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/template/Literal.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/template/HeaderTemplate.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/ReflectiveAsyncFeign.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/AsyncClient.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/MethodInfo.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Param.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/RequestTemplate.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/codec/StringDecoder.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/template/Template.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Capability.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/optionals/OptionalDecoder.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/ExceptionPropagationPolicy.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/InvocationHandlerFactory.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/auth/BasicAuthRequestInterceptor.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/QueryMap.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/codec/Encoder.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/RetryableException.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/codec/DecodeException.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/ResponseMapper.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/AsyncInvocation.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/stream/StreamDecoder.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/SynchronousMethodHandler.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/template/Expression.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/codec/Decoder.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/RequestInterceptor.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/QueryMapEncoder.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/template/UriTemplate.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-  
jar/feign/template/BodyTemplate.java  
\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Experimental.java

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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-
jar/feign/template/QueryTemplate.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Retryer.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-
jar/feign/template/Expressions.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Headers.java
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Found in path(s):
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* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/ReflectiveFeign.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-
jar/feign/querymap/FieldQueryMapEncoder.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Contract.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-
jar/feign/DeclarativeContract.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-
jar/feign/DefaultMethodHandler.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Response.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-
jar/feign/AlwaysEncodeBodyContract.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Request.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Feign.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Logger.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/MethodMetadata.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Util.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Types.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/Client.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/FeignException.java
* /opt/cola/permits/1628810416_1680727635.850175/0/feign-core-11-8-sources-1-jar/feign/AsyncFeign.java
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\* /opt/cola/permits/1628810416\_1680727635.850175/0/feign-core-11-8-sources-1-jar/META-INF/maven/io.github.openfeign/feign-core/pom.xml

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\* /opt/cola/permits/1628810465\_1680727617.18957/0/feign-slf4j-11-8-sources-2-jar/feign/slf4j/Slf4jLogger.java

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\* /opt/cola/permits/1628810465\_1680727617.18957/0/feign-slf4j-11-8-sources-2-jar/META-INF/maven/io.github.openfeign/feign-slf4j/pom.xml

## 1.867 jest-config 28.1.3

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## 1.872 @mantine/dates 4.2.12

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## 1.873 swagger-ui 4.14.0

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\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/CamelCaseUtils.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/InvalidTypeException.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathValueProjection.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathMultiSelectList.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/OpLessThan.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathIdentity.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/Comparator.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathVisitor.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathEvaluationVisitor.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathFlatten.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/NumericComparator.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathFunction.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathField.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/ObjectMapperSingleton.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathFilter.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathExpression.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathProjection.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/OpGreaterThan.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/OpEquals.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/OpGreaterThanOrEqualTo.java

\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathLiteral.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathContainsFunction.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathNotExpression.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/OpLessThanOrEqualTo.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathSubExpression.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/OpNotEquals.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathLengthFunction.java  
\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/com/amazonaws/jmespath/JmesPathAndExpression.java

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\* /opt/cola/permits/1653645241\_1683549943.472249/0/jmespath-java-1-12-455-sources-jar/META-INF/maven/com.amazonaws/jmespath-java/pom.xml

## 1.883 path-exists 4.0.0

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## 1.886 anymatch 3.1.2

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# 1.887 validate-npm-package-license 3.0.4

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validate-npm-package-license

=====

Give me a string and I'll tell you if it's a valid npm package license string.

```
```javascript
var valid = require('validate-npm-package-license');
```
```

SPDX license identifiers are valid license strings:

```
```javascript

var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```
```javascript
assert.deepEqual(
  valid('Apache 2.0'),
  {
    validForOldPackages: false,
    validForNewPackages: false,
    warnings: [
      'license should be ' +
      'a valid SPDX license expression (without "LicenseRef"), ' +
      '"UNLICENSED", or ' +
      '"SEE LICENSE IN <filename>"',
      'license is similar to the valid expression "Apache-2.0"'
    ]
  }
);
```
```

```

SPDX expressions are valid, too ...

```
```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
  valid('(GPL-3.0-only OR BSD-2-Clause)'),
  validSPDXExpression
);
```
```

... except if they contain `LicenseRef`:

```
```javascript
var warningAboutLicenseRef = {
  validForOldPackages: false,
  validForNewPackages: false,
  spdx: true,
  warnings: [
    'license should be ' +
    'a valid SPDX license expression (without "LicenseRef")', ' +
    "'UNLICENSED', or ' +
    "'SEE LICENSE IN <filename>",
  ]
};

assert.deepEqual(
  valid('LicenseRef-Made-Up'),
  warningAboutLicenseRef
);

assert.deepEqual(
  valid('(MIT OR LicenseRef-Made-Up)'),
  warningAboutLicenseRef
);
```
```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```
```javascript
assert.deepEqual(
  valid('SEE LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);
```
```

```

    }
  );

  assert.deepEqual(
    valid('SEE LICENSE IN license.md'),
    {
      validForNewPackages: true,
      validForOldPackages: true,
      inFile: 'license.md'
    }
  );
  ```

```

If there aren't any licensing terms, use `UNLICENSED`:

```

```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENSED'), unlicensed);
```

```

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# 1.896 fill-range 7.0.1

# 1.897 @rushstack/eslint-patch 1.2.0

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## 1.901 pify 2.3.0

## 1.902 wrap-ansi v7.0.0

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## 1.909 nodejs-walker 1.0.8

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## 1.912 jackson-module-parameter-names

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## 1.915 type-detect 4.0.8

## 1.916 @sinonjs/commons 1.8.3

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# 1.924 jackson-databind 2.14.1

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* /opt/cola/permits/1145386913_1616176140.69/0/javax-batch-api-1-0-sources-1-
jar/javax/batch/operations/JobStartException.java
* /opt/cola/permits/1145386913_1616176140.69/0/javax-batch-api-1-0-sources-1-
jar/javax/batch/operations/NoSuchJobException.java
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jar/javax/batch/operations/NoSuchJobInstanceException.java
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jar/javax/batch/operations/NoSuchJobExecutionException.java
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jar/javax/batch/operations/JobExecutionNotRunningException.java
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Found in path(s):

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/AbstractBatchlet.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/ChunkListener.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/RetryReadListener.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/runtime/BatchRuntime.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/ItemReader.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/runtime/JobExecution.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/BatchProperty.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/listener/StepListener.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/ItemWriter.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/partition/PartitionReducer.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/listener/AbstractJobListener.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/AbstractItemReadListener.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/listener/JobListener.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/partition/AbstractPartitionReducer.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/SkipReadListener.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/partition/PartitionPlan.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/runtime/Metric.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/RetryWriteListener.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/runtime/context/StepContext.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/partition/PartitionCollector.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/RetryProcessListener.java

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\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/CheckpointAlgorithm.java

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\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/AbstractItemProcessListener.java

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\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/ItemProcessor.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/AbstractChunkListener.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/ItemReadListener.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/partition/PartitionMapper.java

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\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/Decider.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/SkipWriteListener.java

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\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/runtime/StepExecution.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/runtime/JobInstance.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/ItemWriteListener.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/AbstractItemWriter.java  
\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/operations/JobOperator.java

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\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/partition/package-info.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/package-info.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/package-info.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/runtime/package-info.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/runtime/context/package-info.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/chunk/listener/package-info.java

\* /opt/cola/permits/1145386913\_1616176140.69/0/javax-batch-api-1-0-sources-1-jar/javax/batch/api/listener/package-info.java

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```
* /opt/cola/permits/1145386913_1616176140.69/0/javax-batch-api-1-0-sources-1-
jar/javax/batch/operations/BatchRuntimeException.java
```

## 1.929 expressjs/mime-types 2.1.35

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```
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* \ \ / / \ \ / / _/
* \ \ / / ^ \ \ / /
* \ \ / / \ \ / /
*
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*/
```

Found in path(s):

```
* /opt/cola/permits/1663667645_1683207860.8348947/0/vavr-match-0-10-4-sources-2-
jar/io/vavr/match/annotation/Unapply.java
* /opt/cola/permits/1663667645_1683207860.8348947/0/vavr-match-0-10-4-sources-2-
jar/io/vavr/match/annotation/Patterns.java
```

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# IANA Language Tags for JavaScript #

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Based on [BCP 47](http://tools.ietf.org/html/bcp47) ([RFC 5646](http://tools.ietf.org/html/rfc5646)) and the latest [IANA language subtag registry](http://www.iana.org/assignments/language-subtag-registry).

This project will be updated as the standards change.

## JSON data ##

See the [language-subtag-registry](https://github.com/mattcg/language-subtag-registry) project for the underlying JSON data.

## API ##

```
```js
var tags = require('language-tags')
```
```

Note that all lookups and checks for tags and subtags are case insensitive. For formatting according to common conventions, see `tag.format``.

### tags(tag) ###

Check whether a hyphen-separated tag is valid and well-formed. Always returns a `Tag``, which can be checked using the `valid`` method.

### tags.check(tag) ###

Shortcut for `tags(tag).valid()``. Return `true`` if the tag is valid, `false`` otherwise. For meaningful error output see `tag.errors()``.

### tags.subtags(subtag), tags.subtags(subtags) ###

Look up one or more subtags. Returns an array of `Subtag` objects. Returns an empty array if all of the subtags are non-existent.

Calling `tags.subtags('mt')` will return an array with two `Subtag` objects: one for Malta (the 'region' type subtag) and one for Maltese (the 'language' type subtag).

```
...
> tags.subtags('mt');
[Subtag, Subtag]
> tags.subtags('bumblebee');
[]
...
```

To get or check a single subtag by type use `tags.language(subtag)`, `tags.region(subtag)` or `tags.type(subtag, type)`.

```
### tags.filter(subtags) ###
```

The opposite of `tags.subtags(subtags)`. Returns an array of codes that are not registered subtags, otherwise returns an empty array.

```
...
> tags.filter(['en', 'Aargh']);
['Aargh']
...
```

```
### tags.search(description, [all]) ###
```

Search for tags and subtags by description. Supports either a RegExp object or a string for `description`. Returns an array of `Subtag` and `Tag` objects or an empty array if no results were found.

Note that `Tag` objects in the results represent 'grandfathered' or 'redundant' tags. These are excluded by default. Set the `all` parameter to `true` to include them.

Search is case-insensitive if `description` is a string.

```
### tags.languages(macrolanguage) ###
```

Returns an array of `Subtag` objects representing all the 'language' type subtags belonging to the given 'macrolanguage' type subtag.

Throws an error if `macrolanguage` is not a macrolanguage.

```
...
> tags.languages('zh');
[Subtag, Subtag...]
> tags.languages('en');
```

Error: 'en' is not a valid macrolanguage.

...

### tags.language(subtag) ###

Convenience method to get a single 'language' type subtag. Can be used to validate an input value as a language subtag. Returns a `Subtag` object or `null`.

...

```
> tags.language('en');
```

```
Subtag
```

```
> tags.language('us');
```

```
null
```

...

### tags.region(subtag) ###

As above, but with 'region' type subtags.

...

```
> tags.region('mt');
```

```
Subtag
```

```
> tags.region('en');
```

```
null
```

...

### tags.type(subtag, type) ###

Get a subtag by type. Returns the subtag matching `type` as a `Subtag` object otherwise returns `null`.

A `type` consists of one of the following strings: 'language', 'extlang', 'script', 'region' or 'variant'. To get a 'grandfathered' or 'redundant' type tag use `tags(tag)`.

...

```
> tags.type('zh', 'macrolanguage');
```

```
Subtag
```

```
> tags.type('zh', 'script');
```

```
null
```

...

### tags.date() ###

Returns the file date for the underlying data, as a string.

...

```
> tags.date();
```

```
'2004-06-28'
```

...

### Subtag ###

#### subtag.type() ####

Get the subtag type (either 'language', 'extlang', 'script', 'region' or 'variant'). See [RFC 5646 section 2.2](<http://tools.ietf.org/html/rfc5646#section-2.2>) for type definitions.

#### subtag.descriptions() ####

Returns an array of description strings (a subtag may have more than one description).

...

```
> tags.language('ro').descriptions();  
['Romanian', 'Moldavian', 'Moldovan']  
...
```

#### subtag.preferred() ####

Returns a preferred subtag as a `Subtag` object if the subtag is deprecated. For example, `ro` is preferred over deprecated `mo`.

...

```
> tags.language('mo').preferred();  
Subtag  
...
```

#### subtag.script() ####

For subtags of type 'language' or 'extlang', returns a `Subtag` object representing the language's default script. See [RFC 5646 section 3.1.9](<http://tools.ietf.org/html/rfc5646#section-3.1.9>) for a definition of 'Suppress-Script'.

#### subtag.scope() ####

Returns the subtag scope as a string, or `null` if the subtag has no scope.

Tip: if the subtag represents a macrolanguage, you can use `tags.languages(macrolanguage)` to get a list of all the macrolanguage's individual languages.

...

```
> tags.language('zh').scope();  
'macrolanguage'  
> tags.language('nah').scope();  
'collection'  
...
```

#### subtag.deprecated() ####

Returns a date string reflecting the deprecation date if the subtag is deprecated, otherwise returns `null`.

```
...
> tags.language('ja').deprecated();
'2008-11-22'
...
```

#### subtag.added() ####

Returns a date string reflecting the date the subtag was added to the registry.

```
...
> tags.language('ja').added();
'2005-10-16'
...
```

#### subtag.comments() ####

Returns an array of comments, if any, otherwise returns an empty array.

```
...
> tags.language('nmf').comments();
['see ntx']
...
```

#### subtag.format() ####

Return the subtag code formatted according to the case conventions defined in [RFC 5646 section 2.1.1](<http://tools.ietf.org/html/rfc5646#section-2.1.1>).

- language codes are made lowercase ('mn' for Mongolian)
- script codes are made lowercase with the initial letter capitalized ('Cyril' for Cyrillic)
- country codes are capitalized ('MN' for Mongolia)

### Tag ###

#### tag.preferred() ####

If the tag is listed as 'deprecated' or 'redundant' it might have a preferred value. This method returns a `Tag` object if so.

```
...
> tags('zh-cmn-Hant').preferred();
Tag
...
```

#### tag.type() ####

Returns ``grandfathered`` if the tag is grandfathered, ``redundant`` if the tag is redundant, and ``tag`` if neither. For a definition of grandfathered and redundant tags, see [RFC 5646 section 2.2.8](http://tools.ietf.org/html/rfc5646#section-2.2.8).

```
#### tag.subtags() ####
```

Returns an array of subtags making up the tag, as ``Subtag`` objects.

```
#### tag.language(), tag.region(), tag.script() ####
```

Shortcuts for ``tag.find('language')``, ``tag.find('region')`` and ``tag.find('script')``.

```
#### tag.find(type) ####
```

Find a subtag of the given type from those making up the tag.

```
#### tag.valid() ####
```

Returns ``true`` if the tag is valid, ``false`` otherwise.

```
#### tag.errors() ####
```

Returns an array of ``Error`` objects if the tag is invalid. The ``message`` property of each is readable and helpful enough for UI output. The ``code`` property can be checked against the ``Tag.ERR_*`` constants. Each error will also have either a ``subtag`` or ``tag`` property with the code of the offending tag.

```
#### tag.format() ####
```

Format a tag according to the case conventions defined in [RFC 5646 section 2.1.1](http://tools.ietf.org/html/rfc5646#section-2.1.1).

```
...
```

```
> tags('en-gb').format();  
'en-GB'  
...
```

```
#### tag.deprecated() ####
```

For grandfathered or redundant tags, returns a date string reflecting the deprecation date if the tag is deprecated.

```
...
```

```
> tags('zh-cmn-Hant').deprecated();  
'2009-07-29'  
...
```

```
#### tag.added() ####
```

For grandfathered or redundant tags, returns a date string reflecting the date the tag was added to the registry.

#### tag.descriptions() ####

Returns an array of tag descriptions for grandfathered or redundant tags, otherwise returns an empty array.

## Resources ##

- [Python version by the Flanders Heritage Agency](https://github.com/OnroerendErfgoed/language-tags)
- [Language Subtag Lookup tool by Richard Ishida](http://rishida.net/utis/subtags/)
- [W3C Internationalization Checker](http://validator.w3.org/i18n-checker/)
- [RFC 5646](http://tools.ietf.org/html/rfc5646)

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\* /opt/ws\_local/PERMITS\_SQL/1078337192\_1597295049.39/0/mattcg-language-tags-v1-0-5-0-g5ae08f9-tar-gz/mattcg-language-tags-5ae08f9/README.md

# 1.939 supports-color 5.5.0

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```
* /opt/cola/permits/1519136990_1671710579.6016715/0/spring-cloud-sleuth-brave-3-1-3-jar/META-INF/maven/org.springframework.cloud/spring-cloud-sleuth-brave/pom.xml
```

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## 1.964 read-pkg 5.2.0

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# 1.965 ksuid 1.1.1

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## 1.966 @sinclair/typebox 0.24.44

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TypeBox: JSON Schema Type Builder with Static Type Resolution for TypeScript

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## 1.967 @next/swc-linux-arm-gnueabi-hf 12.3.1

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/opt/cola/permits/1668697213\_1683630569.1041055/0/swc-linux-arm-gnueabi-hf-12-3-1-1-tgz/package/next-sw.clinux-arm-gnueabi-hf.node: binary file matches

Found in path(s):

\* /bin/grep

# 1.968 gajus-table 6.8.0

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# 1.969 apache-log4j 2.17.2

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## 1.970 es-shim-unscopables 1.0.0

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```
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jar/org/hibernate/cache/spi/AbstractRegionFactory.java
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jar/org/hibernate/dialect/identity/H2FinalTableIdentityColumnSupport.java
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jar/org/hibernate/cache/spi/support/DirectAccessRegionTemplate.java
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* /opt/cola/permits/1680175208_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/access/NaturalIdDataAccess.java
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jar/org/hibernate/cache/spi/TimestampsCacheFactory.java
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jar/org/hibernate/metamodel/model/domain/MappedSuperclassDomainType.java
```

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* /opt/cola/permits/1680175208_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-
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jar/org/hibernate/cache/spi/support/EntityNonStrictReadWriteAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/PluralAttributeBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/SecondLevelCacheStatistics.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/BasicDomainType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/CollectionDomainType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/internal/QueryResultsCacheImpl.java  
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jar/org/hibernate/boot/jaxb/mapping/spi/AssociationAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/AbstractNaturalIdDataAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/convert/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/BasicTypeImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/spi/ContainedBean.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/IdentifiableTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/IdentifiableDomainType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/convert/internal/ClassBasedConverterDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/DirectAccessRegion.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/internal/CallbacksFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/convert/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/convert/internal/OrdinalEnumValueConverter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/internal/CallbackDefinitionResolverLegacyImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/internal/TimestampsCacheDisabledImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/convert/spi/JpaAttributeConverterCreationContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/CacheImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/cfg/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/graph/SubGraph.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/AbstractPluralAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/spi/Callback.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/internal/FallbackBeanInstanceProducer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/NaturalIdNonStrictReadWriteAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/ManagedDomainType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/internal/EmptyCallbackRegistryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/spi/AppliedGraph.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/spi/BeanLifecycleStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/SingularPersistentAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/spi/AbstractCdiBeanContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/convert/internal/AbstractConverterDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/cfg/internal/NaturalIdDataCachingConfigImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/internal/CdiBeanContainerExtendedAccessImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/internal/BeansMessageLogger.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/AbstractEntityDataAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/internal/ContainerManagedLifecycleStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/xsd/XsdDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/xsd/ConfigXsdSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/DomainDataRegionImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/convert/spi/BasicValueConverter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/CacheUtils.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/cache/spi/access/CachedDomainDataAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/internal/DeprecatedNaturalIdCacheStatisticsImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/internal/StandardTimestampsCacheFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/QueryResultsRegion.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/AbstractRegion.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/AccessedDataClassification.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/QueryResultsRegionTemplate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/StorageAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/NaturalIdReadOnlyAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/io/CharSequenceReader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/ListPersistentAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/relational/SqlStringGenerationContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/AbstractAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/internal/parse/SubGraphGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/cfg/internal/DomainDataRegionConfigImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/internal/CdiBeanContainerDelayedAccessImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/CollectionReadWriteAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/internal/EntityCallback.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/convert/internal/StandardBasicValueConverter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/convert/internal/NamedEnumValueConverter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/internal/NoCachingTransactionSynchronizationImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/NullnessHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/SetPersistentAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/interceptor/AbstractInterceptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/cache/cfg/spi/DomainDataCachingConfig.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/RegionFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/AbstractCachedDomainDataAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/spi/BeanContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/spi/FallbackContainedBean.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/internal/TimestampsCacheEnabledImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/TimestampsCache.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/interceptor/SessionAssociableInterceptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/internal/ListenerCallback.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/cfg/spi/EntityDataCachingConfig.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/xsd/LocalXsdResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/spi/CallbackDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/convert/internal/AutoApplicableConverterDescriptorBypassedImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/internal/JpaCompliantLifecycleStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/CollectionTransactionAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/DomainModelHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/collections/StandardStack.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/StandardCacheTransactionSynchronization.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/PersistentAttributeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/spi/CallbackBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/Region.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/convert/spi/EnumValueConverter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/RegionNameQualifier.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/ExtendedStatisticsSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/resource/beans/container/internal/NamedBeanQualifier.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/EmbeddedDomainType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/internal/EnabledCaching.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/cfg/spi/DomainDataRegionConfig.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/uuid/LocalObjectUuidHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/TimestampsRegion.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/CannotContainSubGraphException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/spi/CallbackType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/internal/AttributeNodeImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/QueryCache.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/CollectionPathNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/cfg/spi/DomainDataRegionBuildingContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/SimpleTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/convert/spi/JpaAttributeConverter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/cfg/internal/AbstractDomainDataCachingConfig.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/EnhancedEntity.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/spi/ContainedBeanImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/CollectionNonStrictReadWriteAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/EmbeddedTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/spi/ProvidedInstanceManagedBeanImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/interceptor/EnhancementAsProxyLazinessInterceptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/EffectiveEntityGraph.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/classloading/internal/AggregatedServiceLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/AbstractManagedType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/stat/CacheableDataStatistics.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/NaturalIdTransactionalAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/EmbeddableTypeImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/RootGraph.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/internal/CdiBeanContainerImmediateAccessImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/Graph.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/spi/BeanInstanceProducer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/cfg/internal/CollectionDataCachingConfigImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/DomainDataRegionTemplate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/convert/internal/AttributeConverterManager.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/internal/CallbackRegistryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/DomainTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/MapAttributeImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/spi/JdbcRecommendedSqlTypeMappingContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/convert/spi/ConverterAutoApplyHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/xsd/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/interceptor/BytecodeLazyAttributeInterceptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/TimestampsRegionTemplate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/BasicJavaDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/convert/internal/JpaAttributeConverterImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/MapMember.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/EntityTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/ManagedTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/internal/AbstractGraph.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/internal/util/collections/Stack.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/internal/ManagedBeanRegistryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/AbstractCacheTransactionSynchronization.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/CollectionReadOnlyAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/UpdateTimestampsCache.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/SimpleTimestampper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/MappedSuperclassTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/BagAttributeImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/internal/Helper.java  
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jar/org/hibernate/boot/model/convert/spi/ConverterDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/internal/parse/GraphParser.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/NaturalIdCacheStatistics.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/SetAttributeImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/CannotBecomeEntityGraphException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/internal/SubGraphImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/AbstractCollectionDataAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/build/AllowPrintStackTrace.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/AbstractReadWriteAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/internal/StatsHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/access/CollectionDataAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/AttributeNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/BagPersistentAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/metamodel/model/domain/EntityType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/AbstractIdentifiableType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/spi/ManagedBeanRegistry.java  
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jar/org/hibernate/cache/spi/support/DomainDataStorageAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/internal/CdiBasedBeanContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/convert/internal/AutoApplicableConverterDescriptorStandardImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/mapping/spi/LifecycleCallbackContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/xsd/MappingXsdSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/CacheTransactionSynchronization.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/internal/SessionFactoryOptionsBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/EntityTransactionalAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/convert/spi/AutoApplicableConverterDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/internal/NotYetReadyException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/spi/CallbackRegistryConsumer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/convert/internal/InstanceBasedConverterDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/relational/internal/SqlStringGenerationContextImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/interceptor/AbstractLazyLoadInterceptor.java  
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jar/org/hibernate/cache/spi/access/SoftLock.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/internal/AbstractGraphNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/CollectionSizeNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/classloading/internal/AggregatedClassLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/spi/CallbackRegistry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/PersistentAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/SimpleDomainType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/sql/ast/Clause.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/CacheImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/GraphSemantic.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/spi/ManagedBeanRegistryInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/QueryResultsCache.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/spi/ExtendedBeanManager.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/internal/DisabledCaching.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/GraphNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/cfg/internal/EntityDataCachingConfigImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/cfg/spi/CollectionDataCachingConfig.java  
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jar/org/hibernate/bytecode/BytecodeLogging.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/SecondLevelCacheLogger.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/access/UnknownAccessTypeException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/support/EntityReadOnlyAccess.java  
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jar/org/hibernate/internal/build/AllowSysOut.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/spi/MapPersistentAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/internal/NoSuchBeanException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/spi/RegistryHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/reflection/internal/PropertyMappingElementCollector.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/internal/parse/PathQualifierType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/beans/container/internal/CdiBeanContainerBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/metamodel/model/domain/internal/AbstractType.java  
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jar/org/hibernate/graph/spi/GraphHelper.java  
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jar/org/hibernate/jpa/event/internal/EmbeddableCallback.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/graph/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/internal/AbstractCacheableDataStatistics.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/cfg/spi/NaturalIdDataCachingConfig.java  
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jar/org/hibernate/jpa/event/internal/AbstractCallback.java  
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jar/org/hibernate/metamodel/model/domain/DomainType.java  
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jar/org/hibernate/type/StandardBasicTypeTemplate.java  
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jar/org/hibernate/metamodel/model/domain/NavigableRole.java  
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jar/org/hibernate/boot/jaxb/mapping/spi/NamedQuery.java  
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jar/org/hibernate/cache/spi/QuerySpacesHelper.java  
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jar/org/hibernate/metamodel/model/domain/spi/PluralPersistentAttribute.java  
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jar/org/hibernate/jpa/event/spi/CallbackRegistrar.java  
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jar/org/hibernate/graph/spi/GraphImplementor.java  
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jar/org/hibernate/graph/spi/SubGraphImplementor.java  
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jar/org/hibernate/service/spi/OptionallyManageable.java  
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jar/org/hibernate/boot/AttributeConverterInfo.java  
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jar/org/hibernate/cache/spi/access/EntityDataAccess.java  
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\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/ConcurrentReferenceHashMap.java

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/\*\*

\* JTA platform implementation intended for use with WebSphere Application Server (WAS).

\* <p/>

\* WAS, unlike every other app server on the planet, does not allow direct access to the JTS TransactionManager.

\* Instead, for common transaction-related tasks users must utilize a proprietary API known as ExtendedJTATransaction.

\* <p/>

\* Even more unfortunate, the exact TransactionManagerLookup to use inside of WAS is highly dependent upon<ul>

\* <li>WAS version</li>

\* <li>the WAS container in which Hibernate will be utilized</li>

\* </ul>

\* <p/>

\* This class is reported to work on WAS version 6 in any of the standard J2EE/Java EE component containers.

\*

\* @author Gavin King

\* @author <a href="mailto:jesper@udby.com">Jesper Udby</a>

\* @author Steve Ebersole

\*/

Found in path(s):

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/WebSphereExtendedJtaPlatform.java

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\*/

package org.hibernate.graph.internal.parse;

```

}

/**
 * Antlr grammar describing the Hibernate EntityGraph Language.
 */
class GeneratedGraphParser extends Parser;

options {
    // call the vocabulary (H)ibernate (E)ntity(G)raph (L)anguage
    exportVocab=HEGL;

    k = 2;

    // buildAST = true;
    buildAST = false;
}

{
    // ~~~~~
    // semantic actions/callouts

    protected void startAttribute(Token attributeName) {
    }

    protected void startQualifiedAttribute(Token attributeName, Token qualifier) {
    }

    protected void finishAttribute() {
    }

    protected void startSubGraph(Token subType) {
    }

    protected void finishSubGraph() {
    }
}

graph
: attributeNode (COMMA attributeNode)*
;

attributeNode
: attributePath (subGraph)? { finishAttribute(); }
;

attributePath

```

```

: path:NAME (DOT qualifier:NAME)? {
  if ( qualifier == null ) {
    startAttribute( path );
  }
  else {
    startQualifiedAttribute( path, qualifier );
  }
}
;

```

```

subGraph
: LPAREN (subtype:NAME COLON)? { startSubGraph( subtype ); } attributeNode (COMMA attributeNode)*
RPAREN {
  finishSubGraph();
}
;

```

```

// **** LEXER ****

```

```

/**

```

```

 * Lexer for the Hibernate EntityGraph Language grammar

```

```

 */

```

```

class GraphLexer extends Lexer;

```

```

options {

```

```

  // call the vocabulary (H)ibernate (E)ntity(G)raph (L)anguage
  exportVocab=HEGL;

```

```

  k = 2;

```

```

  // Allow any char but \uffff (16 bit -1, ANTLR's EOF character)

```

```

  charVocabulary = "\u0000'..\ufffe';

```

```

  caseSensitive = false;

```

```

  testLiterals = false;

```

```

}

```

```

COLON: ':';

```

```

COMMA: ',';

```

```

DOT: '.';

```

```

LPAREN: '(';

```

```

RPAREN: ')';

```

## WHITESPACE

```
: ( '
| '\t'
| '\r' '\n' { newline(); }
| '\n' { newline(); }
| '\r' { newline(); }
)
{$setType(Token.SKIP);} //ignore this token
;
```

/\*\*

\* In this grammar, basically any string since we (atm) have no keywords

\*/

## NAME

```
: NAME_START ( NAME_CONTINUATION )*
;
```

protected

## NAME\_START

```
: '_'
| '$'
| 'a'..'z'
// HHH-558 : Allow unicode chars in identifiers
//| '\u0080'..'ufffe'
;
```

protected

## NAME\_CONTINUATION

```
: NAME_START
| '0'..'9'
;
```

Found in path(s):

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/graph.g

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\* Boston, MA 02110-1301 USA  
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\*/

Found in path(s):

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/GeneratedOrderByFragmentRenderer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/OrderByTemplateTokenTypes.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/GeneratedOrderByLexer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/GeneratedOrderByFragmentRendererTokenTypes.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/GeneratedOrderByFragmentParser.java

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Found in path(s):

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/order-by.g  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/order-by-render.g

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Found in path(s):

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/SQLFunctionTemplate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/internal/CfgXmlAccessServiceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/NodeSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/ServiceDependencyException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/ManagedComposite.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/EntityStatistics.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/LocalSchemaLocator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/NonContextualJdbcConnectionAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/loading/internal/LoadContexts.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/PrimaryKey.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeMapKeySourceBasic.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/InjectService.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/JoinFormula.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/NamingHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/spi/LockModeResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/ExistsSubqueryExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCommitUpdateEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreInsertEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/DeleteStatement.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/MultiTableBulkIdStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/Exporter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/criterion/Disjunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/Subqueries.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/JtaPlatformInaccessibleException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/boot/spi/IntegratorProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/entry/StructuredCacheEntry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/InitializeCollectionEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Parameter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/hbm/spi/TableInformationContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/AssociationType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/DirtyCheckEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/beanvalidation/ValidationMode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/CountProjection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/NullifExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/MySQLDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/InlineIdsInClauseBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/Distinct.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/spi/CloseableIterator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/PathTypeExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/SelectExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/TypeHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/process/internal/ResultSetProcessorHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/ConvertFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/UUIDGenerationStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/resource/transaction/backend/jdbc/spi/JdbcResourceTransaction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/FromReferenceNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/BatchFetchStyle.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/ObjectNameSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/spi/NullTypeBindableParameterRegistration.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/process/spi/ResultSetProcessorResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/ConditionFragment.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/component/ComponentTuplizerFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/IdentifierSourceNonAggregatedComposite.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/SelectFragment.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/batch/internal/BatchBuilderImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/collection/BasicCollectionLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorIngresDatabaseImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/entity/Joinable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/ObjectDeletedException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/collection/BatchingCollectionInitializer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/Expression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/HbmMetadataSourceProcessorImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/SpecialOneToOneType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/internal/DriverManagerConnectionCreator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/env/spi/LobCreatorBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/ManagedEntity.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/Enhancer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/jpa/internal/util/LockModeTypeHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/PathNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/JDataStoreDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/Mapping.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/path/AbstractFromImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceOneToMany.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/exception/JDBCConnectionException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/config/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/internal/StandardServiceRegistryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
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\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/BooleanTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/Projections.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/predicate/ExistsPredicate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/spi/AttributeSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/JdbcMetadaAccessStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeElementSourceOneToManyImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/spi/ClassFileArchiveEntryHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/relational/Namespace.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/exception/internal/SQLExceptionTypeDelegate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/HibernateQuery.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Persister.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/mapping/internal/ParameterModeMarshalling.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/CollectionAttributeFetch.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/Loader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/jpa/boot/spi/TypeContributorList.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Collection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/dialect/internal/DialectResolverSet.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableElementAnyGraph.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/jdbc/spi/PhysicalJdbcTransaction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/LocalMetadataBuildingContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/JdbcExceptionHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/internal/UrlXmlSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/ExceptionHandlerLoggedImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/EntityHierarchySource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/classic/Parser.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/EntityFetch.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/internal/CharacterStreamImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/LikeExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/AbstractSerializableProxy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/Sortable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/TypeLocatorImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/action/spi/Executable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/collection/OneToManyLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/EntityEntryFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/MetadataBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/pretty/MessageHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/internal/ResultSetWrapperImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/boot/jaxb/hbm/spi/SimpleValueTypeInfo.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/ColumnBindingDefaults.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/HibernateIterator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/internal/PropertyAccessStrategyMapImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/ResinJtaPlatform.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PreLoadEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/CustomizableColumns.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/IndexBackref.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/function/AbsFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/HibernateEntityManagerFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeElementSourceManyToManyImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/internal/PersistenceUnitUtilImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/internal/FetchStats.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/AbstractSchemaMigrator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Sort.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/internal/RegionFactoryInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/spi/SessionFactoryServiceRegistryBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/ModelBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/AbstractDelegatingSessionFactoryBuilderImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/ProjectionList.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/batch/internal/BatchBuilderMXBean.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/spi/PersisterCreationContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/BinaryLogicOperatorNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/action/internal/BulkOperationCleanupAction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Value.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/internal/StandardPersisterClassResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/SchemaUpdate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/exec/ScriptTargetOutputToWriter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/SessionFactoryObserverChain.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/procedure/internal/StandardCallableStatementSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/ValueHandlerFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/predicate/LikePredicate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/collection/internal/AbstractPersistentCollection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/SQLServer2012Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/ManagedFlushChecker.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/ProgressDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/EntityState.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/UnloadedField.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/SecondaryTableSecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/internal/JpaComplianceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/IndexColumn.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/MappingDefaults.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/MetadataSourceProcessor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/entry/StructuredCollectionCacheEntry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/FunctionNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PropertySource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/TypeDiscriminatorMetadata.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/boot/model/source/spi/InLineViewSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/internal/stax/XMLStreamConstantsUtils.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/internal/DefaultCustomEntityDirtyinessStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/spi/ArchiveDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/IntegerTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/ImageType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Comment.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/ForeignGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/EnumType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/classic/SelectPathExpressionParser.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/jdbc/spi/StatementInspector.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/unique/DB2UniqueDelegate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/path/AbstractJoinImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/EntityCopyObserver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/SessionFactoryBuilderImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/BorlandEnterpriseServerJtaPlatform.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/cursor/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/MultiTenancyStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/entity/Queryable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jmx/internal/JmxServiceInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/EntityEntry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/NaturalIdentifier.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/IdentifierGeneratorAggregator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/spi/CompositionDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/tuple/VmValueGeneration.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/result/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/internal/JaccPreDeleteEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/CascadeStyleLoadPlanBuildingAssociationVisitationStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/ManyToOneType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/Size.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/ordering/antlr/SortKey.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/IsNotNullLogicOperatorNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/action/internal/CollectionAction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/CallbackException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/collection/ElementPropertyMapping.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/exec/IdSubselectUpdateExecutor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/log/ConnectionAccessLogger.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/UpdateTimestampGeneration.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/QueryTranslator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/reflection/ClassLoaderAccessLazyImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/InvalidMappingException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/spi/CompositeCollectionElementDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/entity/BasicEntityPropertyMapping.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/AbstractToOneAttributeSourceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/CompositeTracker.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/AbstractEntityReference.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/BigIntegerTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/batch/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/stat/internal/CategorizedStatistics.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/internal/PrimaryKeyInformationImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/internal/AbstractFieldSerialForm.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/DefaultFlushEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/TrimFunctionTemplate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/entity/SingleTableEntityPersister.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/NotYetImplementedException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/SimpleNaturalIdLoadAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/spi/entry/ReferenceCacheEntryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/collection/BasicCollectionPersister.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/LockEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/SessionFactoryObserver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/exec/ScriptTargetOutputToFile.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/MySQL8Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/xml/XMLStreamConstantsUtils.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/MatchMode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Fetch.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/service/spi/EventActionWithParameter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/ejb/HibernateEntityManagerFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/StandardServiceInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/FilterConfiguration.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/ManyToOne.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/FilterDef.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/hint/QueryHintHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/annotations/OptimisticLockType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/SourceType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/AbstractVisitor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/SchemaManagementException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/util/PathHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/HibernateError.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/EntityHierarchySourceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/spi/DatabaseInformation.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/SerializableType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/ExceptionMapperStandardImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/PostgreSQL93Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/ZonedDateTimeComparator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/DefaultDirtyCheckEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/DefaultSchemaFilterProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/internal/StandardAnyTypeDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/collection/SubselectOneToManyLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/DurationJavaDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/InLogicOperatorNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/component/CompositeBasedAssociationAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jndi/internal/JndiServiceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/ByteTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/process/spi/ReaderCollector.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/UnaryLogicOperatorNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/event/spi/PostUpdateEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/SuppliedConnectionHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/UnknownEntityTypeException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/EntityNamingSourceContributor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/internal/SessionFactoryServiceRegistryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PreCollectionRecreateEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/spi/RootGraphImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/internal/SessionFactoryBuilderImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/lock/OptimisticLockingStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/transform/DistinctResultTransformer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/PluralAttributeSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/collection/plan/AbstractLoadPlanBasedCollectionInitializer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/classic/PathExpressionParser.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/internal/ResultSetReturnImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/boot/internal/PersistenceUnitInfoDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Immutable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/ScalarReturnImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/pojo/ProxyFactoryHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/pagination/SybaseASE157LimitHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/JdbcSessionContextImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/SelectGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/CharacterStream.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/AbstractInlineIdsBulkIdHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/bytecode/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/internal/UpdateCountOutputImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/OrphanRemovalAction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/DefaultSchemaFilter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/BytecodeProviderImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/hql/QueryLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/BasicExtractor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/UnresolvedEntityInsertActions.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/BatchBuilderInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/SearchedCaseExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/profile/Fetch.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/SimpleProjection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/spi/JaccIntegrator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitNamingStrategyComponentPathImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/AnnotationBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/AbstractParameterDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SubclassEntitySource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/LiteralNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/CompositeUserType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/PropertyData.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jdbc/internal/JdbcResourceLocalTransactionCoordinatorBuilderImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/log/UrlMessageBundle.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/PersistentClassVisitor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorLegacyImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/H2Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreCollectionUpdateEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/CriteriaUpdateImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/BlobProxy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/InvalidMappingException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/SchemaNameResolver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/NegatedPredicateWrapper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/query/internal/SelectStatementBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Columns.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/Return.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/StandardTableExporter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/DialectResolutionInfoSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/AbstractReturningWork.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/compile/CriteriaCompiler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/DynamicBatchingEntityLoaderBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/LoadEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/CascadeEntityLoader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/LocalDateTimeType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/ByteBuddyState.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/BeanValidationEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceBagImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/CollectionSubqueryFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/procedure/spi/ProcedureParameterImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/NullSynchronizationException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQLMyISAMDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/EntityReferenceAliasesImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/CacheKeyImplementation.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/QueryException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jdbc/internal/JdbcResourceLocalTransactionCoordinatorImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/LocalXmlResourceResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQL5Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/NullnessPredicate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FromElementType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/FetchTypeMarshalling.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Table.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/unique/UniqueDelegate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/ColumnAttributeSourceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/plan/LegacyBatchingCollectionInitializerBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityIncrementVersionProcess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/VersionProperty.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/spi/AfterTransactionCompletionProcess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/DatabaseStructure.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/MetaAttributable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/HighlightingFormatter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/NonIdentifierAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/RowId.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/EntityBasedBasicAttribute.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/AccessCallback.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Parent.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PersistEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/SchemaManagementToolInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/EntityIdentifierNature.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/MultiLoadOptions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceMapImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorTimesTenDatabaseImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/MaterializedNClobType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/CacheEntryStructure.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/CannotForceNonnullableException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeElementSourceEmbeddedImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/MetamodelDrivenLoadPlanBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/NativeQueryReturnBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/Origin.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/spi/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/TypeDefs.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ParamDef.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/CollectionReferenceInitializer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/CreationTimestampGeneration.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/AnyMappingSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/IdClassSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/Type.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/ScalarReturn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/PassThroughResultTransformer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingFetchSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/SynchronizationCallbackTarget.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/LockModeTypeMarshalling.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/AbstractInlineIdsUpdateHandlerImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitIndexColumnNameSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/BootstrapServiceRegistry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/Sybase11JoinFragment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/Optimizer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/InstantJavaDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SingularIdentifierAttributeSourceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/SQLExceptionConversionDelegate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCommitDeleteEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/PrimitiveCharArrayNClobType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/internal/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/InheritanceTypeMarshalling.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/compare/ComparableComparator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQL57InnoDBDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/classloading/spi/ClassLoaderService.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/AttributesContainer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/DeleteEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/NativeQueryTupleTransformer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyIndexBackRefImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/ForeignKeyMetadata.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/StandardSequenceExporter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/LiteralType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/exec/SimpleUpdateExecutor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/LogHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/ResultSetWrapper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/SequenceStyleGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/PackageDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/SQLProjection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/procedure/internal/ProcedureParameterImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/SelectClause.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SecondaryTableSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/QuerySpaceTreePrinter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/internal/BootstrapServiceRegistryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/AbstractDelegatingSessionBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/ReflectionOptimizerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/ClassLoadingStrategyHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/AliasGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/CollectionPropertyMapping.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitNamingStrategyLegacyJpaImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/BlobTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/PropertyAccessStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ShortType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/MultiIdentifierLoadAccess.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/AbstractParameterInformation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/ClassicQueryTranslatorFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/NaturalIdEntityJoinWalker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/ServiceBinding.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/AnnotatedClassType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/SQLServerIdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/LoadPlanBuildingAssociationVisitationStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/spi/TransactionCoordinatorOwner.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementNature.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/IteratorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/NativeQueryNonScalarRootReturn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/CompositeIdentifierSingularAttributeSourceBasicImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/HibernateCriteriaBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/JoinedSubclass.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/FetchCharacteristicsPluralAttribute.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/BasicCollectionLoadQueryDetails.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Formula.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Where.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/DB2390IdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuilderInitializer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/ValueGeneration.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/SessionFactoryServiceRegistry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/internal/CallbackRegistryImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/UserCollectionType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/JoinType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorInformixDatabaseImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/HqlLexer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/HqlSqlWalker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/QueryImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/AbstractUUIDGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/AbstractArchiveDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/Expectation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/FetchStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/StandardScanParameters.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/internal/DefaultSchemaNameResolver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/EntityCopyNotAllowedObserver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/MapJoinImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/SequenceInformation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/InformationExtractor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/LongNVarcharTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/EventSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/CollectionFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/MutableMutabilityPlan.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/FlushEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/ast/SqlScriptParserException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/NoopLimitHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/EJB3DTDEntityResolver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/LazyCollection.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/NaturalIdUniqueKeyBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/factory/IdentifierGeneratorFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/DisjunctionFragment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/AbstractEntityInsertAction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Oracle9iDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/CompoundPredicate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/DdlTransactionIsolatorProvidedConnectionImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/criteria/ScalarCollectionCriteriaInfoProvider.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/JdbcDateTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/SelectionImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/ToOne.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptSourceInputFromFile.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/AbstractLazyInitializer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/spi/LazyInitializable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/CompositeElementPropertyMapping.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/WorkExecutorVisitable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/TypeInfo.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaManagementToolCoordinator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/IdentifierGeneratorDefinitionBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/spi/JaccPermissionDeclarations.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/internal/DisabledJaccServiceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/LoadPlanBuildingContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/DynamicMapEntityTuplizer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/AbstractSelectLockingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/SessionFactoryOptions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/PropertyFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/ParameterTranslations.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/JdbcWrapper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/AbstractCompositionAttribute.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/AbstractDelegatingMetadata.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/Output.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/EntityLoaderLazyCollection.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/compile/ImplicitParameterBinding.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/HibernateMethodLookupDispatcher.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CollectionEntry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/IdentifierSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeMapKeySourceEmbedded.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/AbstractPostInsertGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/ServiceRegistryImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/ImmutableMutabilityPlan.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/SubEntityInfo.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/ASTQueryTranslatorFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CharacterArrayType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/LocalDateTimeJavaDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FkRefNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/Target.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/EntityOrMappedSuperclass.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/ImplicitResultSetMappingDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/FilterQueryPlan.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/NamedEntityGraphDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/FileXmlSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/factory/internal/DefaultIdentifierGeneratorFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/SetType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/NamedSQLQueryDefinitionBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/FastSessionServices.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/FilterSourceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/JarFileEntryUrlAdjuster.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/IdentifierProjection.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/OrderByClause.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/ExportableColumn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/Transaction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/DefaultEntityAliases.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/ScanResultImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SharedSessionContractImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/LazyAttributeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/OuterJoinLoadable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/AbstractNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ImprovedExtractionContextImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/spi/AliasResolutionContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/SerializableBlobProxy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/BinaryArithmeticOperation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/TupleElementImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SybaseASE157Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/RowVersionType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/Select.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/AttributeMapping.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/UniqueKeyLoadable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/EntityBasedCompositionAttribute.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/ToListResultTransformer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityVerifyVersionProcess.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/LiteralProcessor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/NoCachingRegionFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/TimesTenDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/FlushModeConverter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/BinaryTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/WrapperBinaryType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/StaticFilterAliasGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/CUBRIDLimitHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/profile/FetchProfile.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitTenantIdColumnNameSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/AbstractScriptSourceInput.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/jndi/JndiHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/QualifiedSequenceName.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/EntityTypeExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/SingularAttributeInfo.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/SQLServer2005LimitHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/spi/JdbcObserver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/ExceptionHandlerCollectingImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/CustomEntityDirtinessStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BasicType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/ParameterRegistration.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaFilterProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/CalendarTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Cascade.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/FetchCharacteristics.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceAssociation.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Sybase11Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/FetchNotFoundException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/AnsiTrimFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/SequenceHiLoGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/SerializableToBlobType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/ClassDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/HibernateSchemaManagementTool.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/compile/ExplicitParameterInfo.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ExternalSessionFactoryConfig.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/SetJoinImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/MultipleLinesSqlCommandExtractor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SourceType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/UUIDGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeElementSourceManyToAnyImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/ReaderInputStream.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/CacheModeConverter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/NaturalIdMutability.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/hint/IndexQueryHintHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/GenericGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/SqrtFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/QueryParameterNamedImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/IllegalIdentifierException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MimerSQLDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/FilterTranslator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Column.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/ParserHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/OptimisticLockStyleConverter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/LegacyLimitHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/SimpleCacheKeysFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/Template.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/NotExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/OneToManyJoinWalker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/spi/GrantedPermission.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/LocalSynchronizationException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/ListIndexExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/LockingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/JoinFragment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/SapNetWeaverJtaPlatform.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultInitializeCollectionEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/UnresolvableObjectException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/StringTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/NonClassFileArchiveEntryHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/AbstractEntityPersister.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/QuerySpaceHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/BatchingBatch.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/LazyAttributesMetadata.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/NamedQueryDefinitionBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/TimeStampAttributeSourceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Oracle9Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/internal/ResourceRegistryStandardImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/WebSphereJtaPlatform.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/InformixDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Polymorphism.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/LazyToOneOption.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/ReturnMetadata.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/cte/CteValuesListBulkIdStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/AbstractTableBasedBulkIdHandler.java

- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/TransientObjectException.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/PessimisticEntityLockException.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/BytecodeEnhancementMetadataPojoImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/DateTypeDescriptor.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/package-info.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitIndexNameSource.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/UnloadedTypeDescription.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/TypeContainer.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/compile/CriteriaQueryTypeQueryAdapter.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeNature.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/EntityUniqueKey.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/MapValueNode.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/EntityTuplizer.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/ConnectionValidator.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/BatchingEntityLoader.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/HbmEventReader.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/BaselineSessionEventsListenerBuilder.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/NonUniqueResultException.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/ParameterRegistration.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/AliasedTupleSubsetResultTransformer.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorDB2DatabaseImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/QueryParameterListBindingImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/PrimaryKeyInformation.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultLockEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/UpperFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/VersionAttributeSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CollectionQuerySpace.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/internal/PersistenceXmlParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/OrderingSpecification.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/CacheKeysFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/AbstractInformationExtractorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MariaDB10Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SizeSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CharacterArrayNClobType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/MappingNotFoundException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ValueGenerationType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/EmbeddableMapping.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/AbstractHANADialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/spi/TransactionCoordinator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ImprovedNamingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/BuiltInPropertyAccessStrategies.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/AbstractTransactSQLDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/Sized.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/PersistentSortedMap.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/NullExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeIndexSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/SequenceStructure.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/onDeleteAction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/spi/EventListenerRegistrationException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/InvalidPathException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/CastFunctionNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Filter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/type/PrimitiveWrapperHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionFactoryDelegatingImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryRootReturn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/LocalDateType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/BatchingEntityLoaderBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/RelationalModel.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Teradata14Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/EntityCopyObserverFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/CaseFragment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/BasicBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/internal/NullSynchronizationException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/AuxiliaryDatabaseObject.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/AbstractSelectExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/FrontBaseDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/query/spi/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/AnyMetaDef.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/ArrayBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/BasicCollectionJoinWalker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/AbstractDelegatingSharedSessionBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/SQLExceptionHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/SessionFactoryServiceInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/TypeDefinitionBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/CollectionStatistics.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/ExecuteUpdateResultCheckStyle.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/SimpleStrategyRegistrationImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/ProxyFactoryFactoryInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Any.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/LocaleType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/MergeEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/QueryKey.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/spi/EntityReferenceAliases.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/StandardUniqueKeyExporter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/BasicSQLExceptionConverter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/BatchFetchQueueHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CascadeStyle.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/SyntheticProperty.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SelfDirtinessTracker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/spi/AbstractDataSourceBasedMultiTenantConnectionProviderImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceSetImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/MergeContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/internal/AttributeFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/Outputs.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/Statement.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ScrollableResults.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/LoadPlan.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/DynamicFilterParameterSpecification.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/CollectionReferenceAliasesImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/OneToOne.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SubclassEntitySourceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/MappingFileDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/DynamicBatchingCollectionInitializerBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/GraphParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/ScanParameters.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/WrapVisitor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/JRun4JtaPlatform.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/CriteriaQueryImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/PropertyBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/CascadeType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/WalkingException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/StandardProperty.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/DuplicateMappingException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/classloading/internal/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/InFragment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/NamedParameterDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceNameExtractorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/IndexInformation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/LockModeConverter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/spi/ParameterStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/GetGeneratedKeysDelegate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/BaseXMLEventReader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/ComponentMetamodel.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/JOTMJtaPlatform.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/EntityJoinFromElement.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/XmlHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/loading/internal/LoadingCollectionEntry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/JoinProcessor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/ArchiveException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/PrimitiveType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/AbstractSingularAttributeSourceEmbeddedImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/BitTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SchemaValidatorTask.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableIndexAnyGraph.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/GetterFieldImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/MapKeyEntityFromElement.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/InstantiationException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/internal/AliasConstantsHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ObjectNotFoundException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CollectionAttributeFetchImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/DataHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/spi/Binding.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/OriginImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/BasicProxyFactoryImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/ExtractionContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/DriverManagerConnectionProviderImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/WeblogicJtaPlatform.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessFieldImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceEmbedded.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/tracker/SortedFieldTracker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/IdsClauseBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/TooManyRowsAffectedException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/BinaryStream.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/ActionQueue.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorMimerSQLDatabaseImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/PathImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/ConversionContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/DefaultComponentSafeNamingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/AbstractTransactSQLIdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BlobType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/UnmodifiableBatchBuilderInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/DynamicUpdate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/PessimisticWriteUpdateLockingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/AbstractCollectionLoadQueryDetails.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/ReplicateEvent.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/Query.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/RealTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/NonContextualLobCreator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreCollectionRemoveEvent.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/OptimisticForceIncrementLockingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/AbstractDelegatingMetadataBuilderImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/LogicalExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/internal/JaccPreLoadEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/IdentifierSourceAggregatedCompositeImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jmx/internal/JmxServiceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/Formatter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/Status.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/spi/AbstractCurrentSessionContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/AbstractRestrictableStatement.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/spi/EventListenerGroup.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/OracleDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/ListBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SQLServerDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/insert/InsertGeneratedIdentifierDelegate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/cursor/internal/RefCursorSupportInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/UpdateCountOutput.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/UpdateStatement.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCollectionUpdateEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/StatelessSessionImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/AbstractCompositeReference.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/Setter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/NonDurableConnectionObserver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/unique/MySQLUniqueDelegate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/ParameterizedFunctionExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/ParameterParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Synchronize.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/ValueVisitor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/SQLLoadableCollection.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/loading/internal/CollectionLoadContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/JdbcCoordinatorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/FromImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/TableSourceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ColumnTransformers.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/SharedBatchBuildingCode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/exec/DeleteExecutor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/internal/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/TypeDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/UniqueKey.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/AvgProjection.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorHSQLDBDatabaseImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FromClause.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/LowerFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/NamedQueryCollectionInitializer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/internal/JaxbCfgProcessor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/ProxyConfiguration.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/TimestampGenerators.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/PropertiesSubqueryExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MyISAMStorageEngine.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/WildFlyStandAloneJtaPlatform.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/LazyInitializationException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/NotFoundAction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/internal/MetamodelImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/SessionStatistics.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/StandardServiceInitiators.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitCollectionTableNameSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/spi/TypeConfiguration.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/TableMetadata.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/exec/BasicExecutor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ClobType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/BaseSessionEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/DiscriminatorFormula.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/EntityGraphQueryHint.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/config/ConfigurationException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/PositionalParameterSpecification.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/internal/LogicalConnectionProvidedImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/Factory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/local/Helper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/JdbcCoordinator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/FlushMode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/Cascade.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/NamedProcedureCallDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/UnmodifiableBatchBuilderImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/AbstractLoadQueryDetails.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/LongStreamDecorator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/DialectResolutionInfo.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/AttributeAccessor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/StandardCacheEntryImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/PrimitiveByteArrayTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/EntityCopyAllowedObserver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/tracker/CompositeOwnerTracker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/HolderInstantiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/ColumnSourceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SortType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/CompositeNestedGeneratedValueGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/internal/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/JdbcTimeTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostActionEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/PessimisticWriteSelectLockingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/internal/ResultSetProcessingContextImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/EntityTuplizerFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/RDMSOS2200Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/InnoDBStorageEngine.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/Fetch.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Bag.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/NamedNativeQueries.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/FetchGraphLoadPlanBuildingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/StandardSessionFactoryServiceInitiators.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/JpaCallbackSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/QueryParameterBindings.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/RowSelection.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/ErrorReporter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BooleanType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/internal/StrategySelectorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/OracleTypesHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/OffsetDateTimeType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/SerializableNClobProxy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/internal/PostgresCallableStatementSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/internal/SynchronizationRegistryStandardImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuildingOptions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/SelectExpressionImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/internal/TransactionCoordinatorBuilderInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/StoredProcedureQueryParameterRegistration.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/MaterializedBlobType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/NoSuchParameterException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/EntityMode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/InlineIdsOrClauseBulkIdStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ejb/HibernateQuery.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jndi/JndiException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/internal/QualifiedObjectNameFormatterStandardImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/UUIDTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/ForeignKeyNullExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/NoopOptimizer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/TableSpecificationSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/sql/SQLQueryReturnProcessor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/cte/CteValuesListBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultEvictEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/RootReturn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/EntityBasedAssociationAttribute.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/TableBasedUpdateHandlerImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/LongVarbinaryTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/FromParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/JpaTargetAndSourceDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/AfterCompletionActionLegacyJpaImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/NonUniqueObjectException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/WebSphereLibertyJtaPlatform.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/EntityQuerySpace.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/BootstrapContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/StreamUtils.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/ConnectionCreator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/FlushEntityEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/ErrorTracker.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/CustomQuery.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/DialectFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/Managed.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/IndexOrUniqueKeySecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/spi/StatisticsFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/Exporter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/SequenceIdentityGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/global/GlobalTemporaryTableBulkIdStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/NativeQueryInterpreterInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/HSQLDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CalendarType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/ParameterBind.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/QueryStatisticsImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/ParameterStrategyException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/unique/InformixUniqueDelegate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/CockroachDB192Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/TimeZoneType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/PersistentAttributeInterceptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/internal/JaccPreInsertEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuilderFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ToOneBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/MimerSQLIdentityColumnSupport.java

- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SizeSourceImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/spi/BatchBuilder.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/JaxpSourceXmlSource.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/profile/package-info.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/ForeignKeys.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SchemaValidator.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/ResultSetProcessingContext.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/EntityNamingSourceImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/JdbcResultMetadata.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/MetamodelGraphWalker.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/QueryParameterBindingValidator.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Join.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MckoiDialect.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/Oracle12cIdentityColumnSupport.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/UnsupportedLockAttemptException.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableIndexCompositeGraph.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostDeleteEvent.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/DoubleStreamDecorator.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptSourceInputFromReader.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryScalarReturn.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Loader.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/AbstractHbmSourceNode.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/EntityAttributeFetchImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/AssociationKey.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreInsertEvent.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/spi/ParameterRegistrationImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/NonScalarResultColumnProcessor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/PositionalParameterInformationImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/StandardArchiveDescriptorFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/BasicProxyFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/SqlNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingCollectionQuerySpace.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptSourceInputAggregate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/PostInsertIdentityPersister.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/BytesHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/ClassDescriptorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataSourcesContributor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityActionVetoException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/ScriptSourceInput.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/TimeZoneTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/EmbeddableSourceVirtualImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/GenericJDBCException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingEntityIdentifierDescription.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQL82Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/TableReferenceNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FromElement.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/AbstractDelegatingMetadataBuildingOptions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/StandardScanOptions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/IdentifierLoadAccess.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/LockTimeoutException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ListType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/spi/ProcedureCallImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/config/internal/ConfigurationServiceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/List.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/spi/LogicalConnectionImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/internal/DialectFactoryImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/ActivationContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/NoJtaPlatform.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/QuerySpacesImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/ArrayHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/internal/StandardSQLExceptionConverter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/TrueFalseType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/log/UnsupportedLogger.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/internal/ResultSetProcessorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/SessionFactoryAwareNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingCompositeQuerySpace.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/none/NoProxyFactoryFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/MappedSuperclass.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/ProcedureOutputs.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/CompositeBasedBasicAttribute.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/spi/AfterLoadAction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/ServiceRegistryAwareService.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/GeneratorType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/NullServiceException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/SetterMethodImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/StringHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/loading/internal/EntityLoadContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/VarbinaryTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/Filter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/LimitHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/EntityEntryContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/IdentifierHelperBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/TypeNullability.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/ResultsetMappingSecondPass.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/BatchedTooManyRowsAffectedException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/TableOwner.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/TimeType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/CollectionFilterImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/SimpleAuxiliaryDatabaseObject.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SchemaUpdateCommand.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/JoinDefinedByMetadata.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/procedure/ProcedureParameterBinding.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/EntityFetchReturn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultLoadEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/NamedAuxiliaryDatabaseObject.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/CacheableFileXmlSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/JpaOrmXmlPersistenceUnitDefaultAware.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/pojo/bytebuddy/ByteBuddyProxyHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/DelegatedExpressionImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/RefreshEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/classloading/spi/ClassLoadingException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/PropertyMapping.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/JdbcTypeJavaClassMappings.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/ImmutableEntityEntry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/AccessTypeMarshalling.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/spi/SynchronizationRegistry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/NullLiteralExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/PkDrivenByDefaultMapsIdSecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/QualifiedObjectNameFormatter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/BytecodeEnhancementMetadata.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/GroupsPerOperation.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/GUIDGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/Lockable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/CustomSql.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/CollectionReturn.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ANSICaseFragment.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/ValueExtractor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/EmbeddableSourceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/SQLFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/EntitySource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/spi/JdbcSessionContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/process/spi/ManagedResources.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/BaselineAttributeInformation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/AbstractAnsiTrimEmulationFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/ExecutionOptions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/Wrapped.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/StatisticalLoggingSessionEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/UnaryArithmeticOperation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/NumericBooleanType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceOneToOne.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/internal/FetchStrategyHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/CollectionRemoveAction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/internal/ConfigLoader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/pojo/bytebuddy/ByteBuddyProxyFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/CurrentDateFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/ParameterContainer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/ForeignKeyInformationImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/CascadeEntityJoinWalker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/InheritanceState.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/SchemaToolingLogging.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitAnyDiscriminatorColumnNameSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitMapKeyColumnNameSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DB2390V8Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/NamedQueryDefinition.java

- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/PolymorphismType.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/ResultColumnReferenceStrategy.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/insert/AbstractSelectingDelegate.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/tracker/DirtyTracker.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/CacheEntityLoaderHelper.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/IsEmptyPredicate.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/OrderImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/BasicAttributeColumnsAndFormulasSource.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/ColumnSource.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/HibernateTraversableResolver.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metadata/CollectionMetadata.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/spi/DuplicationStrategy.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/cte/AbstractCteValuesListBulkIdHandler.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/AbstractEntitySourceImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/ManyToOnePropertySource.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/query/internal/package-info.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/PropertyPreloadedData.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/JBossStandAloneJtaPlatform.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/NameQualifierSupport.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/AbstractPluralAttributeSourceImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/DynamicMapComponentTuplizer.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/ReflectHelper.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/ColumnNameCache.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/LockingStrategyException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/AbstractWork.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/DetailedSemanticException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/CriteriaSpecification.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/persistent/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/spi/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/ServiceProxyGenerationException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/FilterSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jndi/internal/JndiServiceInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/ArchiveContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/RootHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/RelationalValueSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceEmbedded.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostInsertEvent.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/MutableJpaCompliance.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/AnnotationValueGeneration.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/Transformers.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/OrderByFragment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/FilterAliasGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/EntityEntryExtraState.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/ValueInclusion.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/TableInformation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultPersistEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/Startable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/none/DisallowedProxyFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/compile/InterpretedParameterMetadata.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/BetweenPredicate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/HqlToken.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyNoopImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/XMLInfrastructureException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/unique/DefaultUniqueDelegate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/converter/AttributeConverterTypeAdapter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/TrimFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ScrollMode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/TwoPhaseLoad.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CompositeQuerySpace.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/IntegerTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/Origin.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/LockEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/PropertyAccess.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/ConstraintModeMarshalling.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/PostgreSQL10IdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/PropertyAccessStrategyResolver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/sql/SQLCustomQuery.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/BatchFetchQueue.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/spi/PermissionCheckEntityInformation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/FilterJoinTables.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/SingleTableSubclass.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/BootstrapServiceRegistryBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/NativeSQLQueryPlan.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/EntityNotFoundDelegate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/procedure/spi/ProcedureParameterBindingImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ConnectionAcquisitionMode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/config/internal/ConfigurationServiceInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/ExpectedTypeAwareNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/AbstractCollectionPersister.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/spi/MultiTenantConnectionProvider.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/OuterJoinLoader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/EnhancerImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/PersistentIdentifierGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/EntityInfo.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostInsertEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/InterbaseDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/CollectionCacheEntry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/ConfigurationHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/ASTPrinter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessEmbeddedImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/config/internal/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/NClobTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/ImmutableEntityUpdateQueryHandlingMode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/AbstractPropertyHolder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyResolverInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/AnnotationException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeSequentialIndexSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/internal/EventListenerGroupImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/BulkAccessorException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/MappingNotFoundException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/EntityHierarchyBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/WrapperOptionsContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BigDecimalType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/CollectionPersister.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/PersistentAttribute.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/JoinSequence.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/GenerationTargetToScript.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/EntityReturn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/AbstractServiceRegistryImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/IdentityMap.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/StandardJtaPlatformResolver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/IntegerType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/AnyMappingDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/EnhancerConstants.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/CoreMessageLogger.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/internal/JpaStaticMetaModelPopulationSetting.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/spi/PersisterFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/LocaleTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/process/internal/ManagedResourcesImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/AttributeConversionInfo.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryCollectionReturn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/StandardOptimizerDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/SerializationHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/internal/EntityReturnReader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ObjectType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CacheInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaValidator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeMapKeySource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/RootEntitySourceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/CastFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/ParameterTranslationsImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/FileExporter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/GroupedSchemaValidatorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/process/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/OptimisticLockException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/AbstractSessionImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/QueryParameterBinding.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/spi/SqlTypeDescriptorRegistry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/PooledLoOptimizer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Ingres10Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/Getter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/OneToOneSecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/OneToManyLoadQueryDetails.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Restrictions.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/ImmutableEntityEntryFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/global/IdTableInfoImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CompositeAttributeFetchImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/OrderByAliasResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/DecimalTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQL92Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/LazyPropertyInitializer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/CriteriaDeleteImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/QueryParameterBindingsImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeMapKeyManyToManySourceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/NamingStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/ClassmateContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitJoinColumnNameSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/spi/PersisterClassResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/unique/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/AvailableSettings.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/UniqueEntityLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CalendarDateType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/EntityNameResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/BasicPathUsageException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/OrderByFragmentTranslator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceToOne.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/ShortTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/process/internal/ScanningCoordinator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SuppliedConnectionProviderConnectionHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/EntityReturnImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Generated.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/Identifier.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PersistEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/TypeHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityInsertAction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/CollectionPropertyNames.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/ListAttributeJoin.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaCreator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/TransactionRequiredForJoinException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/io/StreamCopier.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/internal/PersisterClassResolverInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ArrayType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/Metadata.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Informix10Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MariaDB103Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ManyToAny.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/AbstractCollectionEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/HANAColumnStoreDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/persistent/PersistentTableBulkIdStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/EntityQuerySpaceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/OptimisticLocking.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/reflection/internal/JPAXMLOverriddenAnnotationReader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/Orderable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/JoinHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/SelectExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/DatabaseInformationImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/ColumnInformation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/BootstrapContextImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/AbstractMultiTableBulkIdStrategyImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/QueryJoinFragment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/PojoEntityInstantiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/CockroachDB201Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/DelayedDropRegistryNotAvailableImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/NativeQueryImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/ForeignKeyContributingSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/InitializeableNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SingularAttributeSourceBasicImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/spi/AttributeNodeImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/TypedParameterValue.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/ColumnAliasExtractor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/LoggableUserType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/FetchableAttributeSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/ParameterNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/PojoInstantiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/PojoComponentTuplizer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CharacterArrayClobType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/MultipleBagFetchException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/JdbcContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/InformixIdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/GenerationTimingConverter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/SingularAttributePath.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/ValueHolder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/Sequence.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/LockModeEnumMap.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/OC4JJtaPlatform.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/MapEntryExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/ArchiveDescriptorFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQL81Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreCollectionRecreateEvent.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/cursor/spi/RefCursorSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/InlineIdsSubSelectValueListBulkIdStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CascadeStyles.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/insert/InsertSelectIdentityInsert.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/IdentifierBagType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/CustomLoader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/JoinColumnsOrFormulas.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/uuid/CustomVersionOneStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/StringRepresentableType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/BindingTypeHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/XsdException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/spi/StrategyRegistrationProviderList.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/IdGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/ForeignKeyProjection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/QueryParameterBindingImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/secure/internal/StandardJaccServiceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/ResultSetReturn.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CharArrayType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/RegisteredSynchronization.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/AccessType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/EmptyInterceptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/LoadGraphLoadPlanBuildingStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/EnhancementContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultResolveNaturalIdEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorDerbyDatabaseImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/PackageInfoArchiveEntryHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/JPAIndexHolder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/ConstraintViolationException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/internal/parse/GeneratedGraphParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/PersistentSortedSet.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/ConnectionObserverStatsBridge.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/AttributeSourceContainer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/InLineViewSourceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/VersionAttributeSourceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SQLServer2005Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/NonScalarReturn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Filters.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/CharacterTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/EntityAliases.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/PropertyNotFoundException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/DB2IdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/IdentifierGeneratorStrategyProvider.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/TreePrinterHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/Ejb3JoinColumn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuildingContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/CollectionProperties.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/CollectionFetchReturn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CollectionType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Index.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/FieldReaderAppender.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DB2400V7R3Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/JarProtocolArchiveDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/event/spi/jpa/ExtendedBeanManager.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/AttributeDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/AbstractPluralAssociationElementSourceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/SQLStateType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/internal/PostCommitEventListenerGroupImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/EntityPersister.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Cache71Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/config/spi/ConfigurationService.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/MetadataImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitIdentifierColumnNameSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/CascadePoint.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/loading/internal/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/NClobType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/InputStreamAccess.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/InformationExtractorJdbcDatabaseMetaDataImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultSaveEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/BidirectionalEntityReferenceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/JDataStoreIdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/TopLimitHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/GroupByParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/StatisticsInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/TupleSubsetResultTransformer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/Teradata14IdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/TypeResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/PropertyHolder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionLazyDelegator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/OrderBy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/MapKeyHelpers.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/plan/BatchingCollectionInitializer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/FetchReturn.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/CacheModeType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/GetterMethodImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/ToolingHint.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/TempTableDdlTransactionHandling.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/EmbeddedAttributeMapping.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/EntityModeConverter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/SybaseAnywhereIdentityColumnSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/persistent/PreparationContextImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreUpdateEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CompositeCustomType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/AbstractExpandingSourceQuerySpace.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQLDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/HibernateProxyHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/spi/JdbcSessionOwner.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/AbstractLoadPlanBasedLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/EntityKey.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/ResourceRegistry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ComponentPropertyHolder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CollectionReturn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/SchemaDropper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/MapEntryNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/component/ComponentTuplizer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/JpaCompliance.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/AbstractAuxiliaryDatabaseObject.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/JarFileEntryXmlSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/AbstractLobCreator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/NullNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitNamingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/IdentifierBag.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/PaddedBatchingCollectionInitializerBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/SessionImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/SubqueryExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/SQL2008StandardLimitHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/MapKeyJoinColumnDelegator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceIdBagImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/EnhancedProjection.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/CollectionTracker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/ServiceException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/CockroachDB1920IdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/cursor/internal/StandardRefCursorSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/NamedParametersNotSupportedException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/ViolatedConstraintNameExtractor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/spi/TypeConfigurationAware.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/FetchMode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/JdbcTimestampTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/NamedQueryBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/DataException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/AbstractSimplePredicate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/ContextualJdbcConnectionAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/LobCreationContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/WrappedInferredData.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/InlineIdsInClauseUpdateHandlerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/UnsupportedOrmXsdVersionException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/EmptyExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/IdentitySet.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/spi/DdlTransactionIsolator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/TimestampTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/AbstractLockUpgradeEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuilderContributor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/service/internal/EventListenerRegistryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/InvalidGraphException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceManyToAny.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/CollectionAliases.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DerbyDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/InlineIdsInClauseDeleteHandlerImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ReturnGraphTreePrinter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQL5InnoDBDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/Work.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorMariaDBDatabaseImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableIndexEntityGraph.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/StandardAnsiSqlAggregationFunctions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/local/AfterUseAction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityIdentityInsertAction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/AliasGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/UnaryArithmeticNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/ASTUtil.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/ProxyFactoryFactoryImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/ExtractionContextImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/FetchProfile.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/TemplateRenderer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/CompoundSelectionImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/LocateFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/IndexNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/SynchronizationCallbackCoordinatorNonTrackingImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/NullPrecedence.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/SyntheticAndFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/secure/spi/IntegrationException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/SessionBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/internal/ProvidedService.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/ImplicitDiscriminatorColumnNameSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/env/internal/NormalizingIdentifierHelperImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/spi/JaccService.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/CreateKeySecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorHANADatabaseImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/predicate/MemberOfPredicate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/TimeTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/InlineIdsSubSelectValuesListBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/selector/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/JtaTransactionCoordinatorImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/PostDeleteEventListenerStandardImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/boot/spi/PersistenceUnitDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/spi/Scanner.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/internal/PropertyAccessBasicImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/TextType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/SingularAttributeSourceEmbeddedImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/SchemaExport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/JavaTypeDescriptorRegistry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/spi/TransactionCoordinatorBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/EventEngineContributions.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/TypeFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeElementSourceBasicImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/Oracle12cDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/beanvalidation/BeanValidationIntegrator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/ResultSetMappingDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/internal/stax/FilteringXMLEventReader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/IdTableSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/ManagedMappedSuperclass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/Oracle12cGetGeneratedKeysDelegate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/StatefulPersistenceContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/OrionJtaPlatform.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/SqlFragment.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/NamedParameterInformationImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/QueryParameter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/TypeContributions.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/boot/internal/EntityManagerFactoryBuilderImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/AccessType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/NationalizedTypeMappings.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PostCollectionRemoveEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/BooleanLiteralNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/beans/BeanInfoHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/QuerySpaces.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/dialect/internal/StandardDialectResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jndi/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/CollectionPropertyReference.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/id/SequenceMismatchStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/MappingDocument.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/exec/AbstractScriptTargetOutput.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/internal/LoadQueryJoinAndFetchProcessor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/GroupedSchemaMigratorImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/JoinWalker.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/action/internal/CollectionUpdateAction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/internal/NativeQueryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/TransactionException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/compile/RenderingContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/BagBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/interceptor/LazyAttributeLoadingInterceptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/NamedQuery.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/bytebuddy/InlineDirtyCheckerEqualsHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/SqlFragmentAlias.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/NClobImplementer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryNonScalarReturn.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/spi/JoinStatus.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/FlushEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/spi/NamedQueryRepository.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/OrderedMapType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/UnsavedValueFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/CharacterArrayTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/internal/util/EntityPrinter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/internal/SessionFactoryServiceRegistryBuilderImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/env/internal/JdbcEnvironmentInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/ScrollableResultsImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/NestedCompositeAttributeFetchImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/entity/plan/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/lock/OptimisticEntityLockException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/SynchronizationRegistryAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/UUIDCharType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/BinderHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/IdTableHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/ScriptExporter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/collections/JoinedIterator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/tracker/SimpleFieldTracker.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/MetadataSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/FetchMode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/map/MapProxyFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/QueryExecutionRequestException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/SingularAttributeSourceManyToOneImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/function/CurrentTimeFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/ForeignKeyDirection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/AbstractLoadPlanBuildingAssociationVisitationStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/converter/AttributeConverterSqlTypeDescriptorAdapter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/bytecode/enhance/spi/interceptor/BytecodeInterceptorLogging.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/profile/Association.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/BasicAttributePropertySource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/InlineIdsSubSelectValuesListUpdateHandlerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/spi/PermissibleAction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/spi/AbstractMultiTenantConnectionProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/PropertyValueException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/AbstractManipulationCriteriaQuery.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/Service.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/MappingException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/cfgxml/internal/CfgXmlAccessServiceInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/Ejb3Column.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/UnsavedValueStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/internal/StandardScanner.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/TypeDef.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/ProcedureParameterExtractionAware.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/bytebuddy/ByteBuddyEnhancementContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/IdGeneratorStrategyInterpreter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/internal/ScrollableResultsIterator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/QueryStructure.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/spi/ServiceInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/JoinImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/JBossAppServerJtaPlatform.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/HANARowStoreDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/engine/transaction/jta/platform/internal/JtaPlatformInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/custom/Return.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/ExtractionTool.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/spi/ConnectionObserver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/FetchingScrollableResultsImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/ManagedProviderConnectionHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/Projection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/VarArgsSQLFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryReturn.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/lock/PessimisticReadUpdateLockingStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/HibernatePersistenceProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/ListIndexBase.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/spi/ScanResult.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/MappingException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/internal/PersisterFactoryInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/internal/SessionFactoryObserverForBytecodeEnhancer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/QuerySelect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/spi/NonEncapsulatedEntityIdentifierDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/EventEngine.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/bytebuddy/FieldWriterAppender.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/UrlTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/CopyIdentifierComponentSecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/boot/model/source/internal/hbm/AttributesHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/tracker/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/CommaSeparatedStringHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/xml/ErrorHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/path/PluralAttributeJoinSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/OptimisticLock.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/hbm/spi/ToolingHintContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/DerivedValueSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/DisplayableNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/FetchProfileBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/lock/PessimisticForceIncrementLockingStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/path/PluralAttributePath.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/TeradataDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/param/VersionTypeSeedParameterSpecification.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/batch/internal/AbstractBatchImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/exec/JdbcConnectionAccessConnectionProviderImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/EventEngineContributor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/custom/ResultColumnProcessor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/NumericTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/local/IdTableInfoImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/hbm/internal/CacheAccessTypeConverter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/spi/HibernateEntityManagerFactoryAware.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/AbstractIdsBulkIdHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/IdentityColumnSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/type/descriptor/sql/SqlTypeDescriptorRegistry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/HANACloudColumnStoreDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/NaturalIdStatistics.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/ColumnsAndFormulasSourceContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/CascadeStyleSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/UnknownServiceException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/TransientPropertyValueException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/lob/ReaderInputStream.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/MapKeyType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/spi/AssociationAttributeDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/process/spi/ReturnReader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/TinyIntTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/config/ConfigurationHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/DiscriminatorOptions.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/ScriptTargetOutput.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/ComponentType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/IlikeExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/ParameterMetadata.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/batch/spi/Batch.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/InlineIdsSubSelectValuesListDeleteHandlerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/procedure/ProcedureCallMemento.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/component/AbstractComponentTuplizer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/PropertyHolderBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/SqlGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/engine/internal/ParameterBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/ast/SqlScriptLogging.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/StandardSQLFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/function/FunctionExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/SetSimpleValueTypeSecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/BatchLoadSizingStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/ClobProxy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/Instantiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/classic/Lifecycle.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/function/CurrentTimestampFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/DelayedDropAction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/SerializableTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/IdentifierAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/custom/ConstructorReturn.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/entity/EntityMetamodel.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/TransactionManagerAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorCUBRIDDatabaseImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/spaces/JoinImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/relational/QualifiedName.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/CollectionFetchableElement.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Component.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/JoinHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/QueryProducer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/type/CurrencyType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/OnDelete.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/spi/ParamLocationRecognizer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/VarcharTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/CollectionKey.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PostCollectionRecreateEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/DB2SubstringFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/ImplicitNameSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/LobHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/criteria/CriteriaQueryTranslator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/OnUpdateVisitor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PreUpdateEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/MckoiCaseFragment.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/SQLFunctionRegistry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/internal/ColumnInformationImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/IndexMetadata.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/FloatType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/InFlightMetadataCollector.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/SchemaDropperImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/SybaseDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/JavaTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/internal/AbstractProducedQuery.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/internal/JaccSecurityListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/engine/jdbc/batch/spi/BatchKey.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/AbstractScrollableResults.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/Ejb3DiscriminatorColumn.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/AbstractEmptinessExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/boot/internal/StandardJpaScanEnvironmentImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/procedure/internal/Util.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/entity/DiscriminatorMetadata.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeMapKeyManyToAnySourceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/SubqueryComparisonModifierExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/spi/JtaPlatformException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Table.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/component/CompositionBasedCompositionAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/internal/ClassLoaderAccessImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/selector/internal/DefaultDialectSelector.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/FilterDefinitionBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/LazyToOne.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/config/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceListImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/spi/NotInstrumentedException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/process/spi/NoOpMetadataSourceProcessorImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/Ingres9IdentityColumnSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableElementEntityGraph.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/internal/PropertyAccessStrategyBackRefImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/criteria/ComponentCollectionCriteriaInfoProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/tool/schema/internal/AbstractSchemaValidator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/ParameterRecognitionException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PreDeleteEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/ForUpdateFragment.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/TableBasedDeleteHandlerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/TypedValue.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/uuid/StandardRandomStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/NaturalIdXrefDelegate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/DefaultDeleteEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/spi/ArchiveEntryHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/OracleJoinFragment.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/EmbeddableSourceContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/spi/SessionFactoryServiceInitiatorContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/ProcedureParameterNamedBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/internal/PersisterFactoryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/EvictEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/spi/NameSpaceTablesInformation.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/relational/QualifiedTableName.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/spi/BytecodeProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/pagination/Oracle12LimitHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/AbstractType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/action/internal/DelayedPostInsertIdentifier.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/process/spi/ScrollableResultSetProcessor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/ordering/antlr/TranslationContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/stat/internal/EntityStatisticsImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/spaces/AbstractQuerySpace.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/BinaryOperatorNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/DB2390Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/DiscriminatorSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/InvalidWithClauseException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/criteria/CriteriaInfoProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/HibernateTypeSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/Version.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/reflection/PersistentAttributeFilter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/ArrayMutabilityPlan.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/internal/stax/BaseXMLEventReader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/DoubleTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/ordering/antlr/OrderByTranslation.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/ClobTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/CacheRegionDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/EntityEntryExtraStateHolder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Map.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/Database.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/jdbc/spi/PhysicalConnectionHandlingMode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PostLoadEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/ImplicitForeignKeyNameSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/GeneratedCollectionAliases.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/JoinedSubclassEntitySource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/mapping/PropertyGeneration.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/EventType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/AbstractSharedSessionContract.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/QueryParameterException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/path/CollectionAttributeJoin.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorH2DatabaseImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/SybaseAnywhereDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/RefreshEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/result/internal/ResultSetOutputImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/CollectionJoinImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/SchemaManagementTool.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/ResultSetWrapperProxy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jdbc/ReturningWork.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/OperatorNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/InlineIdsOrClauseBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/internal/PropertyAccessStrategyEmbeddedImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/PersistentAttributeInterceptable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/ResourceClosedException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/PropertyInferredData.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/MetadataImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/SessionFactoryBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/BagType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/UnknownUnwrapTypeException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/converter/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/loader/plan/spi/QuerySpace.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeMapKeySourceEmbeddedImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/mapping/spi/FetchableAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/AnsiTrimEmulationFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/spi/JdbcServices.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/UnaryOperatorNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/ForeignKeyExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/procedure/internal/ProcedureParameterMetadata.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/JtaSynchronizationStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/SQLDelete.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/DB2Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/UnaryOperatorExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/FetchStyle.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/hbm/spi/ResultSetMappingBindingDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/ConfigHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/SingularAttributeSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/AnyType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/ClassPropertyHolder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/SmallIntTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/ImplicitJoinTableNameSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/ByteArrayTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/SizeOfPluralAttributeExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/engine/spi/CascadingAction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/spi/TransactionImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/spi/SetterFieldImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/ProxyFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/AbstractPreDatabaseOperationEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/spi/OrdinalParameterDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/DynamicFilterAliasGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/BidirectionalEntityReference.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/ordering/antlr/SqlValueReference.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/RowCountProjection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/SortedMapType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/relational/ExportableProducer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/exception/internal/CacheSQLExceptionConversionDelegate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/AbstractCompositeEntityIdentifierDescription.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/action/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/CacheRegionStatistics.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/service/spi/EventListenerRegistry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/TargetDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/result/ResultSetOutput.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/custom/NonUniqueDiscoveredSqlAliasException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/collection/QueryableCollection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/JOnASJtaPlatform.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/pagination/AbstractLimitHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/Cache71IdentityColumnSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/hql/internal/ast/tree/ComponentJoin.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/AbstractDelegatingSessionBuilderImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/internal/BytecodeProviderInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/Cache.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/reflection/internal/JPAXMLOverriddenMetadataProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/spi/LoadQueryDetails.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/SessionFactoryImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/CollectionIdSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/SimpleExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/ordering/antlr/OrderByFragmentParser.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/entity/PojoEntityTuplizer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/bytebuddy/InlineDirtyCheckingHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/RegionFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/PropertyExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/ClassLoaderAccessDelegateImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryConstructorReturn.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/AbstractMapComponentNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/transform/AliasToBeanConstructorResultTransformer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/CompositeAttributeFetch.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/AttributeContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/BigDecimalTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/internal/JtaPlatformResolverInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/CriteriaBuilderImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/internal/LobCreatorBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/event/internal/EntityCopyObserverFactoryInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/AbstractNullnessCheckNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/jdbc/LogicalConnection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/collection/CollectionInitializer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/custom/sql/NamedParamBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/EmbeddableSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/entity/plan/DynamicBatchingEntityLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/collection/spi/PersistentCollection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/DefaultAutoFlushEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/PluralAttributeKeySource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/collection/SubselectCollectionLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/PostgreSQL94Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PreCollectionUpdateEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/StatelessSession.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PostDeleteEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/InitializeCollectionEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/MySQL57Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/AbstractSingleColumnStandardBasicType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/internal/DefaultCacheKeysFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/spi/TypeSearchability.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/process/internal/HydratedEntityRegistration.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/entity/plan/PaddedBatchingEntityLoaderBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/H2IdentityColumnSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/spi/JavaTypeDescriptorRegistry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/event/spi/SaveOrUpdateEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/QueryTranslatorFactoryInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/SimpleCaseNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/internal/MultiTenantConnectionProviderInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/Versioning.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/function/AggregationFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/HSQLIdentityColumnSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/StandardServiceRegistryBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/SortedSetType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jdbc/Expectations.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceAny.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/classic/ClauseParser.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/SessionFactoryRegistry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/SingularAttributeSourceOneToOneImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/JtaTransactionAdapter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/exec/JdbcConnectionAccessProvidedConnectionImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/classic/OrderByParser.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/GenerationTiming.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/SessionImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/usertype/UserVersionType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/jdbc/internal/AbstractLogicalConnectionImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/AbstractDelegatingSessionFactoryBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/boot/model/naming/ObjectNameNormalizer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/context/internal/ThreadLocalSessionContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/collection/OneToManyPersister.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/function/ConditionalParenthesisFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/DefaultEnhancementContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/selector/spi/StrategySelector.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/criteria/CriteriaLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/Update.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/exec/ScriptSourceInputFromUrl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/MathHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/SynchronizationCallbackCoordinatorTra  
ckingImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/PessimisticLockException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/criteria/CriteriaJoinWalker.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/ClassTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/ResultVariableRefNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/SybaseASE15Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/exec/InsertExecutor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/StandardIndexExporter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/EntityIdentifierDescription.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/ParseErrorHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/Alias.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/internal/bytobuddy/BiDirectionalAssociationHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/PostgresUUIDType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/collection/spi/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Oracle10gDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/Configurable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionEventListenerManager.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/Insert.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/StatisticsImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/NClobTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/EntityDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/FlushModeType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/InstrumentedClassLoader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/QueuedOperationCollectionAction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/cte/CteValuesListDeleteHandlerImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitAnyKeyColumnNameSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/SQLServer2012LimitHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/FormatStyle.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultPreLoadEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/ByteCodeHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/ResultSetIdentifierConsumer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/QualifiedNameParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/PropertySubqueryExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/IdentityGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/internal/EntityLoadQueryDetails.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DB297Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/GenerationTypeMarshalling.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/spi/LoadedConfig.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/BasicDialectResolver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/local/LocalTemporaryTableBulkIdStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ejb/HibernateEntityManager.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/UnionSubclassEntityPersister.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/BinaryStreamImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/AbstractPredicateImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/NamedParameterInformationImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/ParameterExpressionImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptTargetOutputToStdout.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/ResultRowProcessor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/AnsiSqlKeywords.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/PositionSubstringFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/IdTableInfo.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/AbstractInlineIdsDeleteHandlerImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/AbstractExpandingFetchSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/RecoverableException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/ResolveNaturalIdEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/HSQLCaseFragment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/InvalidatableWrapper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/FetchCharacteristicsPluralAttributeImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SchemaUpdateTask.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/EntityLoader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/AbstractDelegatingSessionFactoryOptions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/GenerationTargetToDatabase.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Property.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/CollectionJoinWalker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/Stoppable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/PessimisticReadSelectLockingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/CacheJoinFragment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/Renderable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/AnyMetaDefs.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/FloatTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/integrator/spi/ServiceContributingIntegrator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/inline/InlineIdsOrClauseDeleteHandlerImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/IndexColumn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/StatementPreparerImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/LiteralExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/AbstractSQLExceptionConversionDelegate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/procedure/ProcedureParameter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/spi/ArchiveEntry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/OuterJoinableAssociation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/EntityReferenceInitializer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/QueryHints.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQLStorageEngine.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/JtaTransactionAdapterUserTransactionImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/compile/CriteriaInterpretation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityDeleteAction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/HQLQueryPlan.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/JavaTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/EntityUpdateAction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultPersistOnFlushEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionDelegatorBaseImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/AbstractEntityGraphVisitationStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/MetadataBuilderImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/LockOptionsHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/access/AccessType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/InheritanceType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/IntegralDataTypeHolder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/CollectionBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgresPlusDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CachedNaturalIdValueSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/NvlFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Criterion.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/sql/SQLQueryParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/CalendarTimeTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/RootEntityResultTransformer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/SunOneJtaPlatform.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/Configurable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/NaturalId.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/MapsIdSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/StringType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/VerifyFetchProfileReferenceSecondPass.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/none/NoneBasicProxyFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/Tuplizer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/FlushVisitor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/Assigned.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreLoadEvent.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/ClearEvent.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeMapKeySourceBasicImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/AttributePath.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/SAPDBDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/IdentNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/UrlInputStreamAccess.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/KeyValue.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/ColumnMetadata.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/Action.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/SqlASTFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/Configurable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/LengthFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/ReattachVisitor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/FilterImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/LegacyHiLoAlgorithmOptimizer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/FilterJoinTable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SQLInsert.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/NativeQuery.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/internal/jta/JtaStatusHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/FieldAccessEnhancer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/map/MapLazyInitializer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/tracker/NoopCollectionTracker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ByteType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/UIDBinaryType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/DetachedCriteria.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/DefaultSessionFactoryBuilderInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SortNatural.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/NonNullableTransientDependencies.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/PostInsertIdentifierGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/JpaOrmXmlEventReader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/spi/CollectionReferenceAliases.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/ScrollableResultsImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/BytecodeEnhancementMetadataNonPojoImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/HqlASTFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/spi/StatisticsImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/Nullability.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/none/BytecodeProviderImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/SqlStatementLogger.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQuerySpecification.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/ConfigParameterHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ClassType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/ColumnEntityAliases.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/internal/ProcedureCallMementoImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/ColumnMapper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/AuxiliaryDatabaseObjectBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/ZonedDateTimeType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/ImplicitColumnNamingSecondPass.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CharacterNCharType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Array.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/VersionType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/StandardJDBCEscapeFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/spi/StatementPreparer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/SessionFactoryHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/ParameterInformation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/NamedQueryLoader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DataDirectOracle9Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/integrator/internal/IntegratorServiceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/NonEncapsulatedEntityIdentifierDescription.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/PrimitiveArrayBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceBasic.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/ReflectionOptimizer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/FileInputStreamAccess.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/LazyCollectionOption.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/SharedSessionCreationOptions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/OffsetTimeJavaDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/HibernateProxy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/WhereParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/spi/IsolationDelegate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MariaDB102Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingQuerySpaces.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/StaticPrecisionFspTimestampFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/FetchCharacteristicsSingularAssociationImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/NodeTraverser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/JoinColumnOrFormula.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/ExecutableList.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/Interceptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jmx/internal/DisabledJmxServiceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/internal/LazyServiceResolver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/IdentifierSourceNonAggregatedCompositeImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/PooledOptimizer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/factory/spi/MutableIdentifierGeneratorFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/BlobImplementer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/EntityManagerMessageLogger.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/compare/RowVersionComparator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/PersistentArrayHolder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/ExceptionConverter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/internal/CollectionReturnReader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/BinaryOperatorExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/DynamicParameterizedType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/MetadataSourceType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/spi/CurrentSessionContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/ParameterContainer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/CollectionHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/NVarcharTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/jdbc/internal/LogicalConnectionManagedImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/AbstractEvent.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/TargetTypeHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Check.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/Delete.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/MutableEntityEntryFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitNamingStrategyLegacyHbmImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/AbstractEntityLoader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/log/DeprecationLogger.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/cfgxml/spi/CfgXmlAccessService.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/internal/ParameterMetadataImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/LobMergeStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/PostgreSQL81IdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/spi/CallableStatementSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/OverriddenMappingDefaults.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/AttributeConverterDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/IdentityColumnSupportImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/AbstractPathImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/EntityBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/QueryParameters.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/IntoClause.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/InsertStatement.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/internal/ParameterBindImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/SerializationException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/IdentifierSourceSimple.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Tuplizer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/StrategyCreatorRegionFactoryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/spi/BatchObserver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ColumnTransformer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/UserSuppliedConnectionProviderImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/internal/NullableDiscriminatorColumnSecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/ProxyVisitor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/Caching.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/LegacyBatchingCollectionInitializerBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/DuplicationStrategyImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/PooledLoThreadLocalOptimizer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/IdGeneratorInterpreterImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/EntityCopyAllowedLoggedObserver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/UnknownSqlResultSetMappingException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/MetadataSources.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeSourceArray.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/ScalarReturn.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/AbstractExplicitParameterSpecification.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/SessionCreationOptions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/spi/StrategySelectionException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/CriteriaQuery.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/internal/EntityReferenceInitializerImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/BasicTransformerAdapter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/internal/NativeQueryInterpreterStandardImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CalendarTimeType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/EncapsulatedEntityIdentifierDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/spi/EntityManagerFactoryBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/StandardServiceRegistry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/ConnectionHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ColumnDefault.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/ConstructorResultColumnProcessor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/DateTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/TenantIdentifierMismatchException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SingularAttributeNature.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/spi/UnknownPersisterException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Nationalized.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/WrappedNClob.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SubselectFetch.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/NoMoreReturnsException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/ParameterSpecification.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/SequenceInformationExtractor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/TableSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/IdGeneratorResolverSecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/sql/NativeSQLQueryJoinReturn.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/spi/ProviderChecker.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/CollectionAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/graph/spi/GraphNodeImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/EntityType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/Manageable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/cursor/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jdbc/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/PersistentList.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Entity.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/SessionFactoryBuilderFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/BooleanAssertionPredicate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultSaveOrUpdateEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/DenormalizedTable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/SessionFactoryServiceContributor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/FromPathExpressionParser.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/FormulaImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/SessionFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/QueryTranslatorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CompositeOwner.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/ast/SqlScriptParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/LegacyFirstLimitHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/UserType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/AbstractBatchingEntityLoaderBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Tables.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/InitCommand.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/LimitHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/NamedNativeQuery.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/SessionOwnerBehavior.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/beans/BeanIntrospectionException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CollectionReference.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/SessionFactoryServiceRegistryFactoryInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/AbstractNonIdentifierAttribute.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/MaterializedClobType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/EnhancementException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Formula.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/internal/SQLStateConverter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/QueryHints.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/Helper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/IdentifierSourceSimpleImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/RowReader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/ColumnHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostUpdateEvent.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/PropertyProjection.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/HANAIdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/spi/IntStreamDecorator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/CreationTimestamp.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/ConnectionCreatorFactoryImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/AbstractEntityJoinWalker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/NoopEntryHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/EnhancementContextWrapper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/MetadataBuildingContextRootImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/spi/ForeignKeyInformation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ColumnsBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/StandardAuxiliaryDatabaseObjectExporter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/util/PersistenceUtilHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytobuddy/PersistentAttributeTransformer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/ScanEnvironment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/AssociationKey.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyBasicImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/ImportScriptException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/AggregatedSelectExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultMergeEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/NameGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/spi/HydratedCompoundValueHandler.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/DerbyCaseFragment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/JdbcObserverImpl.java

- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/StandardEntityNotFoundDelegate.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/HqlSqlWalkerNode.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/ColumnCollectionAliases.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/BatchingCollectionInitializerBuilder.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/CommonQueryContract.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/DoubleTypeDescriptor.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/internal/JpaMetaModelPopulationSetting.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/package-info.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyFieldImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyResolverStandardImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/SessionException.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/DistinctRootEntityResultTransformer.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/CollectionLoader.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/ZonedDateTimeJavaDescriptor.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/persistent/IdTableInfoImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/RootClass.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/MetaAttribute.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/GenerationTime.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/NCharTypeDescriptor.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/DerbyConcatFunction.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/cte/CteValuesListUpdateHandlerImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/AutoFlushEventListener.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/SortSpecification.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/AbstractFlushingEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/DialectResolver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MariaDBDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/ToolingHintContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/lock/SelectLockingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/ResultSetMappingBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/WrapperOptions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/CollectionPropertyHolder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/CollectionElementLoader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/beans/spi/ManagedBean.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/Environment.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/AdditionalJaxbMappingProducer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultReplicateEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/StatelessSessionBuilder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CustomCollectionType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/MapBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/FromElementFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/spi/SQLExceptionConverterFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/NamedSQLQueryDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/internal/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/ExplodedArchiveDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/MutableEntityEntry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/Configuration.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Proxy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BasicTypeRegistry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/HiLoOptimizer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/AbstractAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/FilterKey.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ConnectionReleaseMode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/TreeNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitConstraintNameSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/RootImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/QueryTranslatorFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/EnhancementHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/result/internal/OutputsImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/TableStructure.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/ForeignKey.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/RelationalValueSourceHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jndi/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/PaddedBatchingEntityLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/FetchSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/registry/selector/internal/StrategySelectorBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/HCANNHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/AbstractEntityBasedAttribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/InMemoryValueGenerationStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/FloatTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/reflection/internal/XMLContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCollectionUpdateEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/PersistentClass.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/AssociationSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/BinaryArithmeticOperatorNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/Index.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/SimpleValueBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/exec/StatementExecutor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/internal/ExecuteUpdateResultCheckStyleConverter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/internal/DialectFactoryInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Fetchable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/ExplicitParameterSpecification.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/internal/SQLStateConversionDelegate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/NTextType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/spi/XmlSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/BasicTypeRegistration.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/BufferedXMLEventReader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/EmbeddedComponentType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/EnumJavaTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/Node.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/SingleColumnType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/internal/SynchronizationRegistryImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/PersistentBag.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/ConnectionProviderInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/FilteringXMLEventReader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/BooleanStaticAssertionPredicate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/BatchFailedException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/CalendarDateTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/SingularAttributeSourceAnyImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/entity/plan/MultiEntityLoadingSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitPrimaryKeyJoinColumnNameSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/NoArgSQLFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/AtomikosJtaPlatform.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/exception/SQLGrammarException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/procedure/internal/ProcedureParamBindings.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/BasicFormatterImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCollectionRemoveEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/param/CollectionFilterKeyParameterSpecification.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/spi/SessionFactoryServiceRegistryFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/sql/PositionalParamBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/IndexedPluralAttributeSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/internal/ProcedureOutputsImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/QualifiedNameImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/EnhancedUserType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQL9Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/CacheConcurrencyStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSequentialIndexSourceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/ExceptionConverterImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/LockOptions.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitNamingStrategyJpaCompliantImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/NotEmptyExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/FetchCharacteristicsSingularAssociation.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/IdentifierHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/QueryNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/FetchProfile.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/Statistics.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/NotNullExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/TableInformationImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitUniqueKeyNameSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SelectBeforeUpdate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/identity/Ingres10IdentityColumnSupport.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/query/spi/QueryPlanCache.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/tracker/SimpleCollectionTracker.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/BasicBatchKey.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/CUBRIDDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/PreprocessingParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/SecondPass.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/spaces/CompositeQuerySpaceImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/QueryBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/internal/JdbcEnvironmentImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jta/internal/JtaIsolationDelegate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/WrappedMaterializedBlobType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/IncomparableComparator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/SQLDeleteAll.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/IndividuallySchemaMigratorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/AbstractBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/UniqueConstraintSchemaUpdateStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/BasicLoader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/WhereJoinTable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/EntityNaming.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/IdBagBinder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/internal/CollectionCacheInvalidator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PreCollectionRemoveEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metamodel/internal/MetadataContext.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/internal/DialectResolverInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/DependantValue.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CollectionFetchableIndex.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/internal/DisabledScanner.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/FetchProfiles.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/ManagedTypeHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/action/internal/CollectionRecreateAction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jndi/JndiNameException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jdbc/spi/JdbcResourceTransactionAccess.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/CriteriaQueryTupleTransformer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/StaleStateException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/AbstractCompositeFetch.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/PluralAttributeInfoPrimitiveArrayAdapter.java

- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/DiscriminatorType.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/relational/AuxiliaryDatabaseObject.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/process/spi/MetadataBuildingProcess.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/JoinedSubclassFkSecondPass.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/ServiceRegistry.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CharacterType.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/context/internal/ManagedSessionContext.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/OffsetTimeType.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/reflection/AttributeConverterDefinitionCollector.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/PropertyAccessSerializationException.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/CollationSpecification.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/LiteralHandlingMode.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/SimpleEntityIdentifierDescriptionImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/boot/spi/Bootstrap.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/TableGenerator.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/TypeNames.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/internal/MutableJpaComplianceImpl.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/WrongClassException.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/pagination/FirstLimitHandler.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/EvictVisitor.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/StringNVarcharType.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DirtyCollectionSearchVisitor.java
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/CompositeIdentifierSingularAttributeSourceManyToOneImpl.java
- a
- \* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/loader/entity/NaturalIdType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/NClobProxy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/spi/JtaPlatformProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/FilterHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/SelectValues.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/ExceptionHandlerHaltImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/pojo/BasicLazyInitializer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/DatabaseExporter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/MariaDB53Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/query/spi/NamedParameterContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/PostUpdateEventListenerStandardImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/PrimitiveCharacterArrayClobType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/hbm/spi/PluralAttributeInfoIdBagAdapter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/beanvalidation/IntegrationException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/IdentifierGenerationException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/PluralAttributeMapKeyManyToManySource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/IdentifierType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/SessionEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/MarkerObject.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/map/MapProxy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jndi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/AbstractSaveEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/AttributeRole.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/CountNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/criterion/Junction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/entity/JoinedSubclassEntityPersister.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/AbstractEntityEntry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/MetaType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/transform/AliasToBeanResultTransformer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/SortComparator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/DdlTransactionIsolatorJtaImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/event/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/internal/NativeQueryReturnBuilderRootImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/query/internal/QueryBuildingParametersImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/graph/internal/parse/HEGLTokenTypes.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/AssignmentSpecification.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/InExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/CriteriaSubqueryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/entity/plan/LegacyBatchingEntityLoaderBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/util/ASTAppender.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/relational/Exportable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/Cloneable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/EventUtil.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/internal/CollectionStatisticsImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/internal/stax/LocalSchema.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/ExceptionHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/integrator/spi/Integrator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/local/PreparationContextImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/property/access/spi/PropertyAccessException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/ImpliedFromElement.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/JavaTypeDescriptorResolvable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/SynchronizationCallbackCoordinator.jav  
a  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/NamingStrategyHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/HbmLocalMetadataBuildingContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/PropertyAccessException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/UpdateTimestamp.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/NamedQueries.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourceArrayImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/MapKeyColumnDelegator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/Criteria.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/PropertyContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/Oracle8iDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/TableBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Selectable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/spi/PropertyAccessBuildingException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/SchemaMigrator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/selector/spi/StrategyCreator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/boot/internal/Helper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/NaturalIdCache.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/RelationalObjectBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/hbm2ddl/ImportSqlCommandExtractorInitiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/internal/ScanResultCollector.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/mapping/Filterable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/enhanced/AbstractOptimizer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/InsertSelect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/SessionOwner.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQL55Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/DiscriminatorType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/spi/SynchronizationRegistry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/PositionalParameterInformation.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/SchemaAware.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/DecodeCaseFragment.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/spi/DelayedDropRegistry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/OrderedSetType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/DeleteEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/SequenceGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/ClearEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/util/ASTReferencedTablesPrinter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/metadata/ClassMetadata.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/internal/TemporalTypeMarshalling.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/exec/MultiTableUpdateExecutor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/SQLCriterion.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/OnReplicateVisitor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/EmbeddableSourceContributor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/LobCreator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/LazyInitializer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/SourceType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/XmlDocument.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/NonBatchingBatch.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/spi/CompositeFetch.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/collection/plan/CollectionLoader.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/FormulaReference.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/hbm2ddl/SchemaExportTask.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/LongType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/ParameterRegistry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/internal/ConnectionCreatorFactory.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/annotations/reflection/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/BasicQueryContract.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/DefaultNamingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/CriteriaImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/NoCacheRegionFactoryAvailableException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/connections/spi/DataSourceBasedMultiTenantConnectionProviderImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/function/CharIndexFunction.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/SchemaAutoTooling.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/BooleanExpressionPredicate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/ForeignKey.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/CacheEntry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/SingularAttributeJoin.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/QueryTranslatorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/ContextualLobCreator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/OnLockVisitor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Example.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/ToOneFkSecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/spi/ProxyFactoryFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/SessionFactoryBuilderService.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorNoOpImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/XmlInfrastructureException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/internal/MappingBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/spi/HibernateEntityManagerImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/ejb/AvailableSettings.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/annotations/BatchSize.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/JarFileBasedArchiveDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/IdentifierCaseStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/integrator/spi/IntegratorService.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/Property.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/SimpleCaseExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/Nullability.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorOracleDatabaseImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/spi/id/persistent/UpdateHandlerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/StructuredMapCacheEntry.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/spi/ManagedType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/PostCollectionRecreateEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/ImplicitEntityNameSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/AbstractAnyReference.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/collections/LazyIndexedMap.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/internal/bytebuddy/PassThroughInterceptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/internal/InFlightMetadataCollectorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/JavaConstantNode.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/UniqueConstraintHolder.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/spi/SchemaNameResolver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/TargetType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/CoordinatingEntityNameResolver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingQuerySpace.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/SQLLoadable.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/IncrementGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/ExpressionImplementor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/ResultSetProcessor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/JdbcServicesImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/LocalTimeType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/PropertyPath.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/internal/DefaultPostLoadEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/BitronixJtaPlatform.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessStrategyChainedImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/ast/tree/SelectExpressionList.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/internal/ByteArrayInputStreamAccess.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jdbc/WorkExecutor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/path/MapAttributeJoin.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/ColumnReference.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/procedure/ProcedureCall.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/spi/ExpandingEntityQuerySpace.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/predicate/InPredicate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/entity/AbstractEntityTuplizer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/YesNoType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/criteria/EntityCriteriaInfoProvider.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/MySQLInnoDBDialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/IdentifiableTypeSource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/ConcatExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/resource/transaction/backend/jdbc/internal/JdbcIsolationDelegate.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/PostgreSQL95Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/SynchronizableQuery.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/AliasToEntityMapResultTransformer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/transform/ResultTransformer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/internal/CacheHelper.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/XmlElementMetadata.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/env/internal/LobCreatorBuilderImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jmx/spi/JmxService.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/ValueGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/CustomType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/proxy/pojo/bytobuddy/SerializableProxy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/hbm/spi/ConfigParameterContainer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/dialect/spi/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/sql/BlobTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/ClobImplementer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/internal/PersistentSet.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/CoreLogging.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/walking/spi/EntityIdentifierDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/custom/ScalarResultColumnProcessor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/function/BasicFunctionExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/naming/PhysicalNamingStrategy.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/CascadingActions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/jaxb/mapping/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/dialect/DB2400Dialect.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/util/xml/UnsupportedOrmXsdVersionException.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/sql/ordering/antlr/OrderByFragmentRenderer.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/internal/CacheRegionStatisticsImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/bytecode/enhance/internal/bytebuddy/CodeTemplates.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/MultiTenancySource.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/Metamodel.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/descriptor/java/RowVersionTypeDescriptor.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/internal/log/ConnectionPoolingLogger.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/spi/XmlMappingBinderAccess.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/BigIntegerType.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/jdbc/internal/JdbcServicesInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tuple/Property.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cfg/beanvalidation/TypeSafeActivator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/service/internal/SessionFactoryServiceRegistryFactoryImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/PluralAttributeIndexNature.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/AliasedProjection.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/internal/PropertyAccessMixedImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/IndividuallySchemaValidatorImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hql/internal/classic/SelectParser.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/exec/query/package-info.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/spi/JtaPlatformResolver.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/SynchronizationRegistryBasedSynchronizationStrategy.java

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\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/property/access/spi/EnhancedSetterImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/event/spi/SaveOrUpdateEventListener.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/archive/scan/spi/ScanOptions.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/plan/build/internal/returns/EncapsulatedEntityIdentifierDescription.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/cache/spi/entry/UnstructuredCacheEntry.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/engine/spi/FilterDefinition.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/StandardForeignKeyExporter.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/type/StandardBasicTypes.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/BulkInsertionCapableIdentifierGenerator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceManyToOne.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/factory/internal/MutableIdentifierGeneratorFactoryInitiator.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/insert/IdentifierGeneratingInsert.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/query/criteria/internal/expression/CoalesceExpression.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/tool/schema/internal/exec/ScriptSourceInputNonExistentImpl.java

\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/query/criteria/internal/expression/function/SubstringFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/MapType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/CollectionType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/boot/internal/ParsedPersistenceXmlDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/NotFound.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/LoadEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeKeySourceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/predicate/ComparisonPredicate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/internal/SessionStatisticsImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/pojo/bytebuddy/ByteBuddyInterceptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/DateType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/context/spi/CurrentTenantIdentifierResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/CollectionId.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/predicate/TruthValue.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/AnyAttributeFetch.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/function/CastFunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/AssertionFailure.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/internal/ManagedFlushCheckerLegacyJpaImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Type.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Subselect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/LoadQueryInfluencers.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/spi/CollectionElementDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/MySQLIdentityColumnSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/boot/archive/internal/ArchiveHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/AbstractReassociateEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/TimestampType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/spaces/CompositePropertyMapping.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/spi/SchemaExtractionException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/AggregateProjection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/AnyDiscriminatorSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/HqlParser.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/Helper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/MapKeyNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/hbm/spi/PluralAttributeInfo.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/AttributeSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/DefaultUpdateEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/spi/TransactionObserver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/exception/spi/TemplatedViolatedConstraintNameExtractor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/xml/BufferedXMLeventReader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/spi/CollectionIndexDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/entity/EntityLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/Node.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/query/spi/NativeQueryInterpreter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/selector/StrategyRegistration.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/QueryHintDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/internal/util/PessimisticNumberParser.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/annotations/AnnotationMetadataSourceProcessorImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/engine/jdbc/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/spi/TransactionStatus.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/internal/TransactionImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/CompositeIdentifierSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/PrimitiveCharacterArrayTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/collection/internal/PersistentIdentifierBag.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/PrimitiveArray.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/xml/DTDEntityResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/spi/TypeBootstrapContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/insert/Binder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Set.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/JaccPermissionDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/internal/PackageDescriptorImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/internal/PropertyAccessStrategyMixedImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/MetadataContributor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/PostInsertEventListenerStandardImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/exec/GenerationTargetToStdout.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/relational/Loggable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/JtaTransactionAdapterTransactionManagerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/action/internal/EntityAction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/QuerySplitter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/compare/CalendarComparator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/predicate/ExplicitTruthValueCheck.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/SQLServer2008Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/loader/entity/EntityJoinWalker.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/RelationalValueSourceContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/context/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/SchemaFilter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/Collections.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/spi/ConnectionProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/internal/BatchingLoadQueryDetailsFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/spi/AbstractArchiveDescriptorFactory.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/SerializableClobProxy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/IsNullLogicOperatorNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/WrappedClob.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/internal/IndexInformationImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/ListJoinImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/hbm/spi/SecondaryTableContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/CacheException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/classloading/internal/TccILookupPrecedence.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/internal/PropertyAccessEnhancedImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/ExceptionMapper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/Attribute.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/inline/InlineIdsOrClauseUpdateHandlerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/JoinedSubclassEntitySourceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/IdentifierCollection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/sql/SimpleSelect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/SharedSessionBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/tool/schema/spi/SourceDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/env/spi/ExtractedDatabaseMetaData.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/service/spi/ServiceContributor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/ResultCheckStyle.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/classic/HavingParser.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/EntityReference.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/internal/ContextProvidingValidationEventHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/SelectionImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/spi/ClassLoaderAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PostCommitInsertEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/FetchStyleLoadPlanBuildingAssociationVisitationStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/internal/util/CacheModeHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/OffsetDateTimeJavaDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/BooleanTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/UnknownProfileException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/SQLServer2016Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/OptimisticLockStyle.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/spi/JdbcConnectionAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/MergeEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/util/ASTParentsFirstIterator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jndi/spi/JndiService.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/LazyGroup.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/query/spi/QueryBuildingParameters.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/spi/CommandAcceptanceException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/type/descriptor/sql/CharTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/PluralAttributeSourcePrimitiveArrayImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/ImplicitBasicColumnNameSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/ExtendedSelfDirtinessTracker.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/Conjunction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/internal/AliasResolutionContextImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/DirtyCheckEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/internal/MappingFileDescriptorImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/spi/QueryImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/SessionFactoryImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/DbTimestampType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/EJB3NamingStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/MultipleHiLoPerTableGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/LoadPlanImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/AggregateNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/MetaValue.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/DatabaseIdentifier.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/UnloadedClass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/uuid/Helper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/spaces/CollectionQuerySpaceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Subclass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/ResolveNaturalIdEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/exec/process/internal/CollectionReferenceInitializerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/loader/plan/build/internal/returns/CollectionReturnImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Cache.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/internal/InputStreamXmlSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/collections/SingletonIterator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/mapping/internal/EnumTypeMarshalling.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/internal/DDLFormatterImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/AutoFlushEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/param/NamedParameterSpecification.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/spi/ParameterBind.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/entity/plan/AbstractLoadPlanBasedEntityLoader.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/LocalTimeJavaDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/action/spi/BeforeTransactionCompletionProcess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/EvictEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/SecondaryTableSourceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/internal/DatasourceConnectionProviderImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/util/collections/JoinedIterable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/MutabilityPlan.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/context/internal/JTASessionContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/SqlTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/FetchTiming.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/MethodNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/CollectionFetchableElementCompositeGraph.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/Query.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/Settings.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/dialect/Ingres9Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/FirebirdDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/SearchedCaseNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/TruthValue.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/entity/Loadable.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/collection/internal/PersistentMap.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/spi/EnhancedGetterMethodImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/spaces/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/spi/Join.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/ToolingHintContextContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/param/ParameterBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/internal/NaturalIdStatisticsImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/SimpleSubqueryExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/SharedSessionContract.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/selector/internal/DefaultJtaPlatformSelector.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tuple/DynamicMapInstantiator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/AbstractAttributeKey.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/scan/spi/AbstractScannerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/QuerySyntaxException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/UUIDHexGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/internal/SessionEventListenerManagerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/internal/EmptyScrollableResults.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/DerbyTenFiveDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/pagination/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/loader/collection/plan/AbstractBatchingCollectionInitializerBuilder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/ClobTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/internal/CompositionSingularSubAttributesHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/internal/returns/AbstractCollectionReference.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/ManyToOneAttributeColumnsAndFormulasSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/util/ASTIterator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/internal/MetadataBuilderImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/ParameterInfoCollector.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/archive/internal/JarInputStreamBasedArchiveDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/JdbcDataType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/annotations/SetBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/ExpressionImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/PreDeleteEvent.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/FkSecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/TypeDef.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/exec/GenerationTarget.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/selector/StrategyRegistrationProvider.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/converter/AttributeConverterMutabilityPlanImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Any.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/CurrencyTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/IngresDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/CamelCaseToUnderscoresNamingStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cache/internal/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/procedure/ParameterMisuseException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/internal/SchemaCreatorImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/naming/PhysicalNamingStrategyStandardImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/spi/QueryParameterListBinding.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/internal/JaccPreUpdateEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/secure/internal/AbstractJaccSecurableEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/ValueBinder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/internal/DefaultRefreshEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/global/PreparationContextImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/LongVarcharTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/Target.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/IdTableSupportStandardImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/lock/UpdateLockingStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/NamedParameterInformation.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/mapping/internal/DiscriminatorTypeMarshalling.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/result/spi/ResultContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/identity/CUBRIDIdentityColumnSupport.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/QueryStatistics.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/SimpleValue.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/transform/CacheableResultTransformer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/PostgreSQL10Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/persister/walking/spi/CollectionDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/synchronization/AfterCompletionAction.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/PluralAttributeElementSourceManyToMany.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/persister/walking/internal/EntityIdentifierDefinitionHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/exception/LockAcquisitionException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/env/spi/JdbcEnvironment.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/UnionSubclass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/OneToOneType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/BigIntTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/BetweenExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/proxy/map/SerializableMapProxy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/AbstractStandardBasicType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/stat/internal/StatsNamedContainer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/internal/ExceptionMapperLegacyJpaImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/TypeMismatchException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/IdentifierSourceAggregatedComposite.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/property/access/internal/PropertyAccessMapImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/IllegalDereferenceException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/sql/LobTypeMappings.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/mapping/spi/LifecycleCallback.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/SingularAttributeSourceBasic.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/transaction/jta/platform/spi/JtaPlatform.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/StaleObjectStateException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/BinaryType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/jaxb/spi/Binder.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/spi/ConnectionObserverAdapter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/util/TokenPrinters.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/engine/transaction/jta/platform/internal/TransactionManagerBasedSynchronizationStrategy.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/IdentifierGenerator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/WrappedBlob.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/DurationType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/env/internal/ExtractedDatabaseMetaDataImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/jdbc/connections/internal/DriverConnectionCreator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/enhanced/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/config/spi/StandardConverters.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/spi/QueryParameterBindingTypeResolver.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/spi/id/persistent/Helper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/spi/QueryProducerImplementor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/EntityNamingSource.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/PointbaseDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/LongTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/spi/StreamDecorator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/expression/AbstractTupleElement.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/Session.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/AdaptedImmutableType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/NaturalIdLoadAccess.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/engine/spi/PersistenceContext.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/internal/hbm/HibernateTypeSourceImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/RestrictableStatement.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/registry/classloading/spi/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/pagination/Informix10LimitHandler.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/tool/hbm2ddl/ImportSqlCommandExtractor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/usertype/ParameterizedType.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/DerbyTenSevenDialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/enhance/EnhancementTask.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/dialect/MariaDB106Dialect.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/OneToMany.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/bytecode/enhance/spi/interceptor/LazyFetchGroupMetadata.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/id/IdentifierGeneratorHelper.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/loader/plan/build/spi/LoadPlanTreePrinter.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/criterion/SizeExpression.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/service/spi/JpaBootstrapSensitive.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/GenericGenerators.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/IdentifierGeneratorDefinition.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/ReplicationMode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/ast/tree/BetweenOperatorNode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/HibernateEntityManager.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/HibernateException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/annotations/SQLUpdate.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/type/descriptor/java/AbstractTypeDescriptor.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/hql/internal/classic/PositionalParameterInformationImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/tool/schema/extract/internal/SequenceInformationExtractorSAPDBDatabaseImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/Backref.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/context/package-info.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/resource/transaction/backend/jta/internal/StatusTranslator.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-

jar/org/hibernate/PropertySetterAccessException.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/CacheMode.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/jpa/internal/enhance/EnhancingClassTransformerImpl.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/cfg/QuerySecondPass.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/query/criteria/internal/predicate/ImplicitNumericExpressionTypeDeterminer.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/event/spi/FlushEntityEventListener.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/mapping/IndexedCollection.java  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
jar/org/hibernate/boot/model/source/spi/PluralAttributeMapKeyManyToAnySource.java  
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\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-  
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jar/org/hibernate/tuple/IdentifierProperty.java
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jar/org/hibernate/JDBCException.java
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jar/org/hibernate/annotations/Tuplizers.java
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* /opt/cola/permits/1680175208_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-
jar/org/hibernate/engine/spi/VersionValue.java
No license file was found, but licenses were detected in source scan.
```

```
/*
* Hibernate, Relational Persistence for Idiomatic Java
*
* License: GNU Lesser General Public License (LGPL), version 2.1 or later
* See the lgpl.txt file in the root directory or http://www.gnu.org/licenses/lgpl-2.1.html
*/
/**
* Subclass used to simply instantiation of singular attributes representing an entity's
* version.
*/
```

```
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* /opt/cola/permits/1680175208_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-
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/*
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\* Hibernate, Relational Persistence for Idiomatic Java  
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\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/criterion/package.html  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/jpa/persistence\_1\_0.xsd  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/usertype/package.html  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/xsd/cfg/legacy-configuration-4.0.xsd  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/hibernate-configuration-4.0.xsd  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/criteria/package.html  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/id/package.html  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/collection/package.html  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/collection/package.html  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/loader/hql/package.html  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/persister/entity/package.html  
\* /opt/cola/permits/1680175208\_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/org/hibernate/stat/package.html

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 *
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 */
/*
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 *
 * Modified for https://jira.jboss.org/jira/browse/ISPN-299
 * Includes ideas described in http://portal.acm.org/citation.cfm?id=1547428
 *
 */
```

/\*\*

\* A hash table supporting full concurrency of retrievals and  
\* adjustable expected concurrency for updates. This class obeys the  
\* same functional specification as {[@link java.util.Hashtable](#)}, and  
\* includes versions of methods corresponding to each method of  
\* `Hashtable`. However, even though all operations are  
\* thread-safe, retrieval operations do *not* entail locking,  
\* and there is *not* any support for locking the entire table  
\* in a way that prevents all access. This class is fully  
\* interoperable with `Hashtable` in programs that rely on its  
\* thread safety but not on its synchronization details.

\* `<p/>`  
\* `<p>` Retrieval operations (including `get`) generally do not  
\* block, so may overlap with update operations (including  
\* `put` and `remove`). Retrievals reflect the results  
\* of the most recently *completed* update operations holding  
\* upon their onset. For aggregate operations such as `putAll`  
\* and `clear`, concurrent retrievals may reflect insertion or  
\* removal of only some entries. Similarly, Iterators and  
\* Enumerations return elements reflecting the state of the hash table  
\* at some point at or since the creation of the iterator/enumeration.  
\* They do *not* throw {[@link java.util.ConcurrentModificationException](#)}.  
\* However, iterators are designed to be used by only one thread at a time.

\* `<p/>`  
\* `<p>` The allowed concurrency among update operations is guided by  
\* the optional `concurrencyLevel` constructor argument  
\* (default `16`), which is used as a hint for internal sizing. The  
\* table is internally partitioned to try to permit the indicated  
\* number of concurrent updates without contention. Because placement  
\* in hash tables is essentially random, the actual concurrency will  
\* vary. Ideally, you should choose a value to accommodate as many  
\* threads as will ever concurrently modify the table. Using a  
\* significantly higher value than you need can waste space and time,  
\* and a significantly lower value can lead to thread contention. But  
\* overestimates and underestimates within an order of magnitude do  
\* not usually have much noticeable impact. A value of one is  
\* appropriate when it is known that only one thread will modify and  
\* all others will only read. Also, resizing this or any other kind of  
\* hash table is a relatively slow operation, so, when possible, it is  
\* a good idea to provide estimates of expected table sizes in  
\* constructors.

\* `<p/>`  
\* `<p>`This class and its views and iterators implement all of the  
\* *optional* methods of the {[@link Map](#)} and {[@link Iterator](#)}  
\* interfaces.

\* `<p/>`  
\* `<p>`This class is copied from Infinispan, and was originally written  
\* by Doug Lea with assistance from members of JCP JSR-166 Expert Group and

```
* released to the public domain, as explained at
* http://creativecommons.org/licenses/publicdomain
* <p/>
* <p/>
* <p> Like { @link java.util.Hashtable } but unlike { @link HashMap }, this class
* does <em>not</em> allow <tt>null</tt> to be used as a key or value.
*
* @param <K> the type of keys maintained by this map
* @param <V> the type of mapped values
*
* @author Doug Lea
*/
```

Found in path(s):

```
* /opt/cola/permits/1680175208_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-
jar/org/hibernate/internal/util/collections/BoundedConcurrentHashMap.java
```

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-->

Found in path(s):

```
* /opt/cola/permits/1680175208_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-
jar/org/hibernate/jpa/orm_3_0.xsd
```

```
* /opt/cola/permits/1680175208_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-
jar/org/hibernate/jpa/persistence_3_0.xsd
```

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```
/*
```

```
* Hibernate, Relational Persistence for Idiomatic Java
```

```
*
```

```
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```

```
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```

```
*/
```

```
/**
```

```
* Used to pass along the CDI BeanManager, if any, to be used.
```

```
*
```

```
* According to JPA, strictly, the BeanManager should be passed in
```

```

* at boot-time and be ready for use at that time. However not all
* environments can do this (WildFly e.g.). To accommodate such
* environments, Hibernate provides 2 options:
*
* * a proprietary CDI extension SPI (that we have proposed to
* the CDI spec group as a standard option) that can be used
* to provide delayed BeanManager access. To use this solution,
* the reference passed as the BeanManager during bootstrap
* should be typed as { @link ExtendedBeanManager }
* * delayed access to the BeanManager reference. Here, Hibernate
* will not access the reference passed as the BeanManager during
* bootstrap until it is first needed. Note however that this has
* the effect of delaying any deployment problems until after
* bootstrapping.
*
* This setting is used to configure Hibernate ORM's access to
* the BeanManager (either directly or via { @link ExtendedBeanManager }).
*/

```

Found in path(s):

```

* /opt/cola/permits/1680175208_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-
jar/org/hibernate/cfg/AvailableSettings.java

```

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```

<!--

```

```

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```

```

~

```

```

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```

```

-->

```

Found in path(s):

```

* /opt/cola/permits/1680175208_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-
jar/org/hibernate/jpa/persistence_2_2.xsd

```

```

* /opt/cola/permits/1680175208_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-
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```

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#

```

```

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```

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#

```

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```

```

#

```

```

org.hibernate.jpa.HibernatePersistenceProvider

```

Found in path(s):

```

* /opt/cola/permits/1680175208_1684410717.9763725/0/hibernate-core-5-6-15-final-sources-jar/META-

```

# 1.973 base64-js 1.5.1

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# 1.974 swagger-models 2.2.2

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# 1.977 es-to-primitive 1.2.1

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## 1.978 springdoc-openapi-ui 1.6.8

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## 1.979 java-unit-test-tool 2.0.0-BETA-4-JAVA7

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```
<!--
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~ WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
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-->
```

Found in path(s):

```
* /opt/cola/permits/1642165141_1683610347.3539865/0/osgl-ut-2-0-0-beta-4-java7-jar/META-INF/maven/org.osgl/osgl-ut/pom.xml
```

# 1.980 p-locate v5.0.0

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Found in path(s):

\* /opt/cola/permits/1162863542\_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/README.md

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```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.github.mifmif</groupId>
  <artifactId>generex</artifactId>
  <version>1.0.2</version>
  <name>Generex</name>
  <url>https://github.com/mifmif/Generex/tree/master</url>
  <description>Generex A Java Library for regex to Strings generation</description>
  <packaging>jar</packaging>
  <licenses>
    <license>
      <name>The Apache Software License, Version 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
      <distribution>repo</distribution>
    </license>
  </licenses>
  <developers>
    <developer>
```

```

<id>mifmif</id>
<name>MIFRAH Youssef</name>
<email>mifmif.com@gmail.com</email>
</developer>
<developer>
<id>mkolisnyk</id>
<name>mkolisnyk</name>
<email>kolesnik.nickolay@gmail.com</email>
</developer>
</developers>

<parent>
<groupId>org.sonatype.oss</groupId>
<artifactId>oss-parent</artifactId>
<version>7</version>
</parent>

<properties>
<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
<maven.pmd.excludes>*/generated-sources/*</maven.pmd.excludes>
</properties>
<scm>
<connection>scm:git:git@github.com:mifmif/Generex.git</connection>
<developerConnection>scm:git:git@github.com:mifmif/Generex.git</developerConnection>
<url>https://github.com/mifmif/Generex.git</url>
</scm>
<ciManagement>
<url>https://travis-ci.org/mifmif/Generex/builds</url>
<system>Travis</system>
<notifiers>
<notifier>
<address>mifmif.com@gmail.com</address>
<type>mail</type>
</notifier>
<notifier>
<address>kolesnik.nickolay@gmail.com</address>
<type>mail</type>
</notifier>
</notifiers>
</ciManagement>

<distributionManagement>
<snapshotRepository>
<id>ossrh</id>
<url>https://oss.sonatype.org/content/repositories/snapshots</url>
</snapshotRepository>
<repository>
<id>ossrh</id>

```

```
<url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>
</repository>
</distributionManagement>
```

```
<build>
<sourceDirectory>src/main/java</sourceDirectory>
<testSourceDirectory>src/test/java</testSourceDirectory>
<resources>
<resource>
<directory>src</directory>
<excludes>
<exclude>**/*.java</exclude>
</excludes>
</resource>
<resource>
<directory>target/dependency</directory>
<excludes>
<exclude>**/*.java</exclude>
</excludes>
</resource>
<resource>
<directory>src/main/resources</directory>
<includes>
<include>**/*.properties</include>
</includes>
</resource>
</resources>
<plugins>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-install-plugin</artifactId>
<version>2.5.2</version>
<configuration>
<file>target/${project.artifactId}-${project.version}.jar</file>
<groupId>${project.groupId}</groupId>
<artifactId>${project.artifactId}</artifactId>
<version>${project.version}</version>
<packaging>maven-plugin</packaging>
</configuration>
</plugin>
<plugin>
<artifactId>maven-compiler-plugin</artifactId>
<version>3.5.1</version>
<configuration>
<source>1.5</source>
<target>1.5</target>
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```

</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-jar-plugin</artifactId>
<version>3.0.2</version>
<configuration>
<excludes>
<exclude>*</exclude>
<exclude>com/thoughtworks/**/*</exclude>
<exclude>freemarker/**/*</exclude>
<exclude>ftl/**/*</exclude>
<exclude>i18n/**/*</exclude>
<exclude>style/**/*</exclude>
<exclude>junit/**/*</exclude>
<exclude>licenses/**/*</exclude>
<exclude>META-INF/maven/**/*</exclude>
<exclude>org/codehaus/**/*</exclude>
<exclude>org/hamcrest/**/*</exclude>
<exclude>org/jbehave/**/*</exclude>
<exclude>org/junit/**/*</exclude>
<exclude>org/testng/**/*</exclude>
<exclude>org/xmlpull/**/*</exclude>
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<exclude>style/**/*</exclude>
<exclude>tests/**/*</exclude>
</excludes>
<archive>
<manifest>
<addClasspath>>false</addClasspath>
<addDefaultImplementationEntries>>true</addDefaultImplementationEntries>
<addDefaultSpecificationEntries>>true</addDefaultSpecificationEntries>
<addExtensions>>false</addExtensions>
<classpathLayoutType>simple</classpathLayoutType>
</manifest>
</archive>
</configuration>
</plugin>
<plugin>
<artifactId>maven-assembly-plugin</artifactId>
<version>2.6</version>
<configuration>
<descriptors>
<descriptor>./sources.xml</descriptor>
</descriptors>
</configuration>
</plugin>
<plugin>

```

```

<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-dependency-plugin</artifactId>
<version>2.10</version>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-javadoc-plugin</artifactId>
<version>2.10.3</version>
<configuration>
<show>private</show>
<nohelp>>false</nohelp>
<failOnError>>false</failOnError>
<sourcepath>src/main/java</sourcepath>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-release-plugin</artifactId>
<configuration>
<tagNameFormat>v@ { project.version }</tagNameFormat>
<preparationGoals>package install:install-file</preparationGoals>
<scmCommentPrefix>#3</scmCommentPrefix>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-deploy-plugin</artifactId>
<version>2.8.2</version>
<configuration>
<skip>>true</skip>
</configuration>
</plugin>

<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-source-plugin</artifactId>
<version>3.0.1</version>
<executions>
<execution>
<goals>
<goal>jar-no-fork</goal>
</goals>
</execution>
</executions>
</plugin>

```

```
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-javadoc-plugin</artifactId>
<executions>
<execution>
<id>attach-javadocs</id>
<goals>
<goal>jar</goal>
</goals>
</execution>
</executions>
</plugin>
```

```
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-gpg-plugin</artifactId>
<executions>
<execution>
<id>sign-artifacts</id>
<phase>deploy</phase>
<goals>
<goal>sign</goal>
</goals>
</execution>
</executions>
```

```
</plugin>
```

```
<plugin>
<groupId>org.sonatype.plugins</groupId>
<artifactId>nexus-staging-maven-plugin</artifactId>
<version>1.6.3</version>
<executions>
<execution>
<id>default-deploy</id>
<phase>deploy</phase>
<goals>
<goal>deploy</goal>
</goals>
</execution>
</executions>
<extensions>>true</extensions>
<configuration>
<serverId>ossrh</serverId>
<nexusUrl>https://oss.sonatype.org/</nexusUrl>
</configuration>
```

```

</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-pmd-plugin</artifactId>
<version>3.6</version>
<configuration>
<failOnViolation>>true</failOnViolation>
<excludeRoots>
<excludeRoot>target/generated-sources/plugin</excludeRoot>
</excludeRoots>
<excludes>
<exclude>**/HelpMojo.java</exclude>
</excludes>
</configuration>
<executions>
<execution>
<goals>
<goal>check</goal>
<goal>cpd-check</goal>
</goals>
<configuration>
<failOnViolation>>true</failOnViolation>
<excludes>
<exclude>**/HelpMojo.java</exclude>
</excludes>
</configuration>
</execution>
</executions>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-checkstyle-plugin</artifactId>
<version>2.10</version>
<configuration>
<excludes>**/test/java/**/*.*.java</excludes>
<configLocation>./sun_checks.xml</configLocation>
<suppressionsLocation>./checkstyle-suppressions.xml</suppressionsLocation>
<failOnViolation>>true</failOnViolation>
</configuration>
<executions>
<execution>
<goals>
<goal>check</goal>
</goals>
</execution>
</executions>
</plugin>
<plugin>

```

```

<groupId>org.codehaus.mojo</groupId>
<artifactId>cobertura-maven-plugin</artifactId>
<version>2.6</version>
<configuration>
  <check>
    <haltOnFailure>>false</haltOnFailure>
    <totalBranchRate>80</totalBranchRate>
    <totalLineRate>80</totalLineRate>
    <packageLineRate>80</packageLineRate>
    <packageBranchRate>80</packageBranchRate>
  </check>
  <instrumentation>
    <excludes>
      <exclude>**/HelpMojo.class</exclude>
    </excludes>
  </instrumentation>
</configuration>
<executions>
  <execution>
    <id>verification</id>
    <phase>verify</phase>
    <goals>
      <goal>check</goal>
      <goal>cobertura</goal>
    </goals>
  </execution>
</executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>javancss-maven-plugin</artifactId>
  <version>2.0</version>
  <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <ccnLimit>10</ccnLimit>
    <ncssLimit>100</ncssLimit>
    <failOnViolation>>true</failOnViolation>
    <excludes>
      <exclude>**/tests/**/*.*</exclude>
    </excludes>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>

```

```

</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>findbugs-maven-plugin</artifactId>
  <version>3.0.3</version>
  <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <failOnError>true</failOnError>
    <excludeFilterFile>findBugsExclude.xml</excludeFilterFile>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>jdepend-maven-plugin</artifactId>
  <version>2.0</version>
</plugin>
</plugins>
</build>
<dependencies>
<dependency>
  <groupId>dk.brics.automaton</groupId>
  <artifactId>automaton</artifactId>
  <version>1.11-8</version>
</dependency>
<dependency>
  <groupId>junit</groupId>
  <artifactId>junit</artifactId>
  <version>4.12</version>
  <scope>test</scope>
</dependency>
<dependency>
  <groupId>org.hamcrest</groupId>
  <artifactId>hamcrest-junit</artifactId>
  <version>2.0.0.0</version>
  <scope>test</scope>
</dependency>
</dependencies>
</project>

```

Found in path(s):

\* /opt/cola/permits/1162863542\_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-

e910243/pom.xml

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\* /opt/cola/permits/1162863542\_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/GenerexIterator.java

\* /opt/cola/permits/1162863542\_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/util/Iterator.java

\* /opt/cola/permits/1162863542\_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Node.java

\* /opt/cola/permits/1162863542\_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Main.java

\* /opt/cola/permits/1162863542\_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Generex.java

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Found in path(s):

\* /opt/cola/permits/1162863542\_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-  
e910243/src/test/java/com/mifmif/common/regex/GenerexUnitTest.java  
No license file was found, but licenses were detected in source scan.

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e910243/src/test/java/com/mifmif/common/regex/GenerexIteratorUnitTest.java

## 1.983 didyoumean-js 1.2.2

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# 1.984 @babel/plugin-syntax-class-properties

## 7.12.13

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# 1.986 bean-validation-api 2.0.1

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# 1.987 spring-boot-devtools 2.7.11

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# 1.989 brave-instrumentation-kafka-clients

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jar/com/github/tomakehurst/wiremock/recording/ScenarioProcessor.java  
\* /opt/cola/permits/1288695196\_1647366510.69/0/wiremock-2-27-2-sources-  
jar/com/github/tomakehurst/wiremock/servlet/NotImplementedMappingsSaver.java  
\* /opt/cola/permits/1288695196\_1647366510.69/0/wiremock-2-27-2-sources-  
jar/com/github/tomakehurst/wiremock/matching/BinaryEqualToPattern.java  
\* /opt/cola/permits/1288695196\_1647366510.69/0/wiremock-2-27-2-sources-  
jar/com/github/tomakehurst/wiremock/admin/tasks/RemoveStubMappingTask.java  
\* /opt/cola/permits/1288695196\_1647366510.69/0/wiremock-2-27-2-sources-  
jar/com/github/tomakehurst/wiremock/recording/RequestBodyPatternFactory.java  
\* /opt/cola/permits/1288695196\_1647366510.69/0/wiremock-2-27-2-sources-  
jar/com/github/tomakehurst/wiremock/common/SafeNames.java  
\* /opt/cola/permits/1288695196\_1647366510.69/0/wiremock-2-27-2-sources-  
jar/com/github/tomakehurst/wiremock/common/xml/Xml.java

## 1.993 hdrhistogram 2.1.12

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Manifest-Version: 1.0

Bnd-LastModified: 1575980548657

Build-Jdk: 1.8.0\_232

Built-By: gil

Bundle-Description: HdrHistogram supports the recording and analyzing sampled data value counts across a configurable integer value range with configurable value precision within the range. Value precision is expressed as the number of significant digits in the value recording, and provides control over value quantization behavior across the value range and the subsequent value resolution at any given level.

Bundle-License: <http://creativecommons.org/publicdomain/zero/1.0/>, <https://opensource.org/licenses/BSD-2-Clause>

Bundle-ManifestVersion: 2

Bundle-Name: HdrHistogram

Bundle-SymbolicName: org.hdrhistogram.HdrHistogram

Bundle-Version: 2.1.12

Created-By: Apache Maven Bundle Plugin

Export-Package: org.HdrHistogram;version="2.1.12",org.HdrHistogram.packagedarray;version="2.1.12"

Implementation-Title: HdrHistogram

Implementation-Vendor-Id: org.hdrhistogram

Implementation-Version: 2.1.12

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"

Specification-Title: HdrHistogram

Specification-Version: 2.1.12

Tool: Bnd-2.3.0.201405100607

Found in path(s):

\* /opt/cola/permits/1185944801\_1628011594.04/0/hdrhistogram-2-1-12-3-jar/META-INF/MANIFEST.MF

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INF/maven/org.hdrhistogram/HdrHistogram/pom.xml

## 1.994 text-table 0.2.0

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## 1.995 types-istanbul-lib-report 3.0.0

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\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/multipart/PojoWriter.java

\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/multipart/Writer.java

\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/multipart/ByteArrayWriter.java

\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/ContentProcessor.java

\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/util/PojoUtil.java

\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/multipart/Output.java

\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/FormProperty.java

\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/multipart/FormDataWriter.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/multipart/AbstractWriter.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/ContentType.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/multipart/ManyParametersWriter.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/util/CharsetUtil.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/FormEncoder.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/FormData.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/MultipartFormContentProcessor.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/multipart/DelegateWriter.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/multipart/SingleParameterWriter.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/multipart/SingleFileWriter.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/UrlencodedFormContentProcessor.java  
\* /opt/cola/permits/1131826771\_1613019813.73/0/feign-form-3-8-0-sources-jar/feign/form/multipart/ManyFilesWriter.java

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## 1.997 requires-port 1.0.0

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## 1.998 @next/swc-win32-x64-msvc 12.3.1

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/opt/cola/permits/1668697093\_1683630571.9053886/0/swc-win32-x64-msvc-12-3-1-1-tgz/package/next-swc.win32-x64-msvc.node: binary file matches

Found in path(s):

\* /bin/grep

## 1.999 commons-logging 1.2

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Version: {revnumber}

ifeval::["{revremark}" != ""]

Status: {revremark}

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## 1.1015 es-abstract 1.20.4

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- \* /opt/cola/permits/1512614524\_1671432132.3777933/0/modelmapper-3-1-1-sources-jar/org/modelmapper/TypeToken.java
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\* /opt/cola/permits/1512614524\_1671432132.3777933/0/modelmapper-3-1-1-sources-jar/org/modelmapper/internal/Pair.java

\* /opt/cola/permits/1512614524\_1671432132.3777933/0/modelmapper-3-1-1-sources-jar/org/modelmapper/internal/InternalMapping.java

\* /opt/cola/permits/1512614524\_1671432132.3777933/0/modelmapper-3-1-1-sources-jar/org/modelmapper/spi/TypeSafeSourceGetter.java

\* /opt/cola/permits/1512614524\_1671432132.3777933/0/modelmapper-3-1-1-sources-jar/org/modelmapper/internal/util/Objects.java

\* /opt/cola/permits/1512614524\_1671432132.3777933/0/modelmapper-3-1-1-sources-jar/org/modelmapper/internal/valuemutate/MapValueWriter.java

\* /opt/cola/permits/1512614524\_1671432132.3777933/0/modelmapper-3-1-1-sources-jar/org/modelmapper/internal/TypeResolvingList.java

\* /opt/cola/permits/1512614524\_1671432132.3777933/0/modelmapper-3-1-1-sources-jar/org/modelmapper/Converters.java

\* /opt/cola/permits/1512614524\_1671432132.3777933/0/modelmapper-3-1-1-sources-jar/org/modelmapper/spi/ValueWriter.java

# 1.1022 normalize-path 3.0.0

## 1.1023 yocto-queue 0.1.0

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 */
```

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\* /opt/cola/permits/1519136915\_1671710635.2038014/0/jsonassert-1-5-1-sources-1-jar/org/skyscreamer/jsonassert/comparator/DefaultComparator.java  
\* /opt/cola/permits/1519136915\_1671710635.2038014/0/jsonassert-1-5-1-sources-1-jar/org/skyscreamer/jsonassert/FieldComparisonFailure.java  
\* /opt/cola/permits/1519136915\_1671710635.2038014/0/jsonassert-1-5-1-sources-1-jar/org/skyscreamer/jsonassert/Customization.java  
\* /opt/cola/permits/1519136915\_1671710635.2038014/0/jsonassert-1-5-1-sources-1-jar/org/skyscreamer/jsonassert/RegularExpressionValueMatcher.java  
\* /opt/cola/permits/1519136915\_1671710635.2038014/0/jsonassert-1-5-1-sources-1-jar/org/json/JSONString.java  
\* /opt/cola/permits/1519136915\_1671710635.2038014/0/jsonassert-1-5-1-sources-1-jar/org/skyscreamer/jsonassert/ValueMatcherException.java  
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\* /opt/cola/permits/1519136915\_1671710635.2038014/0/jsonassert-1-5-1-sources-1-jar/org/skyscreamer/jsonassert/JSONAssert.java  
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\* /opt/cola/permits/1519136915\_1671710635.2038014/0/jsonassert-1-5-1-sources-1-jar/org/skyscreamer/jsonassert/JSONCompareResult.java  
\* /opt/cola/permits/1519136915\_1671710635.2038014/0/jsonassert-1-5-1-sources-1-jar/org/skyscreamer/jsonassert/ArrayValueMatcher.java  
\* /opt/cola/permits/1519136915\_1671710635.2038014/0/jsonassert-1-5-1-sources-1-jar/org/skyscreamer/jsonassert/LocationAwareValueMatcher.java  
\* /opt/cola/permits/1519136915\_1671710635.2038014/0/jsonassert-1-5-1-sources-1-jar/org/skyscreamer/jsonassert/JSONCompareMode.java

# 1.1025 is-arrayish 0.2.1

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## 1.1038 path-type 4.0.0

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Found in path(s):

```
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# 1.1040 jacoco 0.8.9

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## 1.1044 cosmiconfig 7.0.1

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\* /opt/cola/permits/1162863214\_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/TransitionComparator.java  
\* /opt/cola/permits/1162863214\_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/DatatypesAutomatonProvider.java  
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\* /opt/cola/permits/1162863214\_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/RunAutomaton.java  
\* /opt/cola/permits/1162863214\_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/RegExp.java  
\* /opt/cola/permits/1162863214\_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/AutomatonProvider.java  
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\* dk.brics.automaton - AutomatonMatcher

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jar/dk/brics/automaton/AutomatonMatcher.java

# 1.1046 testing-library-react 13.4.0

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# 1.1052 istack-common-utility-code-runtime

## 3.0.12

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# 1.1055 spdx-correct v3.1.1

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## 1.1057 jackson-annotations 2.13.3

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/opt/cola/permits/1668697193\_1683630570.2678087/0/swc-darwin-x64-12-3-1-1-tgz/package/next-swc.darwin-x64.node: binary file matches

Found in path(s):

\* /bin/grep

## 1.1060 spdx-exceptions 2.3.0

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\* /opt/ws\_local/PERMITS\_SQL/1047874382\_1590657590.07/0/spdx-exceptions-2-3-0-1-tgz/package/README.md

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*   Xerox/PARC   initial implementation  
* *****/
```

Found in path(s):

```
* /opt/cola/permits/1612524888_1679606146.4381368/0/aspectjrt-1-9-7-sources-  
jar/org/aspectj/lang/reflect/InitializerSignature.java
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- \* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/AfterReturning.java
- \* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/Pointcut.java
- \* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/Before.java
- \* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/After.java
- \* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/Aspect.java
- \* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/Around.java
- \* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/AfterThrowing.java
- \* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/ProceedingJoinPoint.java
- \* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/DeclarePrecedence.java

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\* Alex Vasseur wired up for @AJ proceeding  
\* Andy Clement 23-06-06 added extras for @AJ  
\* \*\*\*\*\*/

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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactoryImpl11.java

\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactoryImpl.java

\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/internal/CFlowCounter.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactory.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStack.java  
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 *
 * Contributors:
 * variant of Aspects in the aspectj5rt project - this one isn't Java5 - Andy Clement
 */
```

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 *
 * Contributors:
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 *   Alex Vasseur  new factory methods for variants of JP
 *   Abraham Nevado  new factory methods for collapsed SJPs
 *   Andy Clement  new factory methods that rely on LDC <class>
 */
```

Found in path(s):

\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/reflect/Factory.java  
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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/LockSignature.java

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\* generic signature update        Adrian Colyer

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jar/org/aspectj/lang/reflect/SourceLocation.java

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jar/org/aspectj/runtime/reflect/CatchClauseSignatureImpl.java

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jar/org/aspectj/runtime/reflect/JoinPointImpl.java

\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/CFlow.java

\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-

jar/org/aspectj/runtime/internal/CFlowStack.java

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jar/org/aspectj/runtime/reflect/MemberSignatureImpl.java

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jar/org/aspectj/lang/reflect/AdviceSignature.java

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jar/org/aspectj/lang/reflect/MethodSignature.java

\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/internal/Conversions.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/reflect/InitializerSignatureImpl.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/Signature.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/FieldSignature.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/ConstructorSignature.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/CatchClauseSignature.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/internal/CFlowPlusState.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/reflect/AdviceSignatureImpl.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/reflect/StringMaker.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/internal/PerObjectMap.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/reflect/ConstructorSignatureImpl.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/reflect/SourceLocationImpl.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/CodeSignature.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/reflect/MethodSignatureImpl.java  
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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/reflect/SignatureImpl.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/MemberSignature.java  
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jar/org/aspectj/lang/reflect/DeclareErrorOrWarning.java  
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jar/org/aspectj/lang/reflect/PerClause.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-  
jar/org/aspectj/lang/reflect/SignaturePattern.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-  
jar/org/aspectj/lang/reflect/AjType.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-  
jar/org/aspectj/internal/lang/annotation/ajcITD.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/AdviceImpl.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-  
jar/org/aspectj/lang/reflect/NoSuchPointcutException.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-  
jar/org/aspectj/internal/lang/annotation/ajcDeclareParents.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/InterTypeConstructorDeclarationImpl.java  
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jar/org/aspectj/internal/lang/reflect/DeclarePrecedenceImpl.java  
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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-  
jar/org/aspectj/internal/lang/reflect/SignaturePatternImpl.java

\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclareEoW.java  
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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/internal/lang/annotation/ajcPrivileged.java  
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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclareAnnotation.java  
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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/PointcutBasedPerClauseImpl.java  
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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/TypePattern.java  
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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/PointcutExpressionImpl.java  
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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/AjTypeImpl.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/Pointcut.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/DeclarePrecedence.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/NoSuchAdviceException.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/InterTypeDeclaration.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/DeclareErrorOrWarningImpl.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/reflect/DeclareAnnotation.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclarePrecedence.java  
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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadCounterImpl11.java  
\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-

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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-  
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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-  
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\* Andy Clement fleshed out to match SuppressWarnings

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\* /opt/cola/permits/1612524888\_1679606146.4381368/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/SuppressAjWarnings.java

# 1.1063 nodeca-argparse 2.0.1

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### A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

Footnotes:

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## 1.1064 browserify/detective 5.2.1

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* /opt/cola/permits/1519136982_1671710531.2417731/0/h2-2-1-214-sources-1-
jar/org/h2/expression/condition/ConditionAndOrN.java
* /opt/cola/permits/1519136982_1671710531.2417731/0/h2-2-1-214-sources-1-
jar/org/h2/jdbc/JdbcDatabaseMetaDataBackwardsCompat.java
* /opt/cola/permits/1519136982_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcConnection.java
* /opt/cola/permits/1519136982_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueLob.java
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* http://cvs.schmorp.de/liblzf/lzf\_d.c?view=markup
*
* According to a mail from Marc Lehmann, it's OK to use his algorithm:
* Date: 2010-07-15 15:57
* Subject: Re: Question about LZF licensing
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jar/org/h2/expression/function/ToCharFunction.java

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jar/org/h2/mode/ToDateTokenizer.java

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\* Initial Developer: Alessandro Ventura

\*/

Found in path(s):

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/api/CredentialsValidator.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/ConfigProperties.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/HasConfigProperties.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/DefaultAuthenticator.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/AuthenticatorFactory.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/H2AuthConfig.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/api/UserToRolesMapper.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/UserToRolesMapperConfig.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/AuthenticationException.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/impl/AssignRealmNameRole.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/Configurable.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/impl/StaticRolesMapper.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/AuthenticationInfo.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/impl/StaticUserCredentialsValidator.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/H2AuthConfigXml.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/RealmConfig.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/AuthConfigException.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/PropertyConfig.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/impl/LdapCredentialsValidator.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/Authenticator.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/auth/impl/JaasCredentialsValidator.java

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\* Initial Developer: H2 Group  
\* Iso8601: Initial Developer: Robert Rathsack (firstName dot lastName at gmx  
\* dot de)  
\*/

Found in path(s):

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/DateTimeUtils.java

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\* Iso8601:  
\* Initial Developer: Robert Rathsack (firstName dot lastName at gmx dot de)  
\*/

Found in path(s):

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/CloseWatcher.java

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\* Initial Developer: H2 Group

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Found in path(s):

- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueToObjectConverter.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/MathFunction.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/lob/LobDataInMemory.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/TableValueConstructorTable.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/SetSessionCharacteristics.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/SignalFunction.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/ResultWithPaddedStrings.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/db/NullValueDataType.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/db/MVDelegateIndex.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/VirtualConstructedTableIndex.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/constraint/ConstraintUnique.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/Right.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcParameterMetaData.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/rtree/DefaultSpatial.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/AlterDomainRenameConstraint.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/analysis/PartitionData.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/db/MVTable.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/SessionControlFunction.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/lob/LobDataDatabase.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/GeneratedKeysMode.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mode/FunctionsDB2Derby.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONItemType.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/LocalResult.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-

jar/org/h2/expression/condition/Condition.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/expression/condition/CompareLike.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/rec/FileRec.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/DerivedTable.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/index/VirtualTableIndex.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/command/ddl/CreateConstant.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/util/geometry/JTSUtils.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/api/Aggregate.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/expression/ExpressionWithFlags.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/mvstore/db/MVSecondaryIndex.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/command/ddl/CreateView.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/util/json/JSONStringSource.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/expression/condition/Comparison.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/value/CharsetCollator.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/index/VirtualTableCursor.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/SmallLRUCache.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/SHA256.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/Variable.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/expression/function/CurrentDateTimeValueFunction.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/value/ValueEnumBase.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/command/ddl/GrantRevoke.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/mode/FunctionsMSSQLServer.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/util/json/JSONValueTarget.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/command/ddl/AlterTableRenameConstraint.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/mvstore/db/MVSortedTempResult.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONNull.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/command/dml/Update.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/RuleHead.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jmx/DatabaseInfo.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/Typed.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/CountingReaderInputStream.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/meta/DatabaseMetaServer.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/constraint/ConstraintReferential.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/SearchedCase.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/pg/PgServerThread.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/RootReference.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/LinkedCursor.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/MetaIndex.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/LinkedIndex.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/tx/VersionedValueCommitted.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/MemoryEstimator.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/IsolationLevel.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/schema/FunctionAlias.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/analysis/DataAnalysisOperation.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/InformationSchemaTable.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSQLNonTransientConnectionException.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/cache/CacheLongKeyLIRS.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/RecoverTester.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSQLException.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/TableBase.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/api/JavaObjectSerializer.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/analysis/WindowFunctionType.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/analysis/Window.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jmx/DatabaseInfoMBean.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/lob/LobDataFile.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/DualCursor.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/CacheLRU.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/condition/ConditionLocalAndGlobal.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/niomapped/FilePathNioMapped.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/IndexHints.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/RangeTable.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/web/DbStarter.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcException.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/SimpleRowValue.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueToObjectConverter2.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/api/TableEngine.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/RangeInputStream.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/context/DbColumn.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSQLInvalidAuthorizationSpecException.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/SysInfoFunction.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/niomem/FilePathNioMemLZF.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/Server.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcConnectionBackwardsCompat.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/CreateSchema.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/ExecuteImmediate.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/schema/Constant.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/geometry/GeoJsonUtils.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/DropTrigger.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/IndexCondition.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ExtTypeInfoEnum.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/condition/ConditionNot.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/TriggerAdapter.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/StreamStore.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/TruncateTable.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueInteger.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/Insert.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/Restore.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/DropRole.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbcx/JdbcXid.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/SetTypes.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/SequenceValue.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/AggregateDataBinarySet.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/DropSynonym.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/type/StringDataType.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/fulltext/FullText.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/ByteStack.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/DropConstant.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSQLException.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueTinyint.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/query/SelectUnion.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/constraint/ConstraintCheck.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/Subquery.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/message/DbException.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/SecureFileStore.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/SortedProperties.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/RunScriptCommand.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSQLException.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/CardinalityExpression.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/FileStoreOutputStream.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/db/MVInDoubtTransaction.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/query/SelectListColumnResolver.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/MathFunction1.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/meta/DatabaseMetaLocal.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/Alias.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONValue.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcPreparedStatement.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/FileBaseDefault.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/table/LinkSchemaFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/Operation1\_2.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/analysis/WindowFrameExclusion.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/QueryExpressionIndex.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/ScriptBase.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/api/H2Type.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/Transfer.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/SchemaCommand.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/AbbaLockingDetector.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/schema/TriggerObject.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/Bits.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/SubstringFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/CacheObject.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueTimestampTimeZone.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/condition/ExistsPredicate.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/Table.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/Command.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/TrimFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/tx/Snapshot.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/CreateDomain.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/constraint/Constraint.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/CryptFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/GUIConsole.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/ExpressionVisitor.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/NoOperation.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/Rule.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/ResultInterface.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbcx/JdbcXAConnection.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/RuleElement.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/Profiler.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/SpatialIndex.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/AbstractAggregate.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/Engine.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/AggregateDataAvg.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/IndexColumn.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/condition/ConditionInQuery.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/CreateTrigger.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueSmallint.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/MergedResult.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/condition/ConditionInConstantSet.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/Chunk.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueDecfloat.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/lob/LobDataFetchOnDemand.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcBlob.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/type/ObjectDataType.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/message/Trace.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/UserBuilder.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/IndexType.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/compress/CompressNo.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/MetaRecord.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/CastSpecification.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/tx/CommitDecisionMaker.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/Cache.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/DropTable.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/SimpleResult.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mode/DefaultNullOrdering.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/disk/FilePathDisk.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/db/LobStorageMap.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mode/FunctionsPostgreSQL.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/mem/FileMemData.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/TransactionCommand.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/RuleOptional.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/AggregateDataCount.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/Token.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSQLIntegrityConstraintViolationException.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/AlterSchemaRename.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/RangeReader.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/ParameterInterface.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/ConcatenationOperation.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/AggregateType.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/DropAggregate.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/PrepareProcedure.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/TableInfoFunction.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/query/Query.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONArray.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/analysis/WindowFrame.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/schema/UserDefinedFunction.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/SetComment.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/ColumnTemplate.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONObject.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/NetworkConnectionInfo.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/XMLFunction.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/type/DataType.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/fulltext/IndexInfo.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSQLTransientException.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueBigint.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/command/ddl/DropUser.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/VirtualTable.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/Script.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/util/json/JsonConstructorUtils.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/TableType.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/store/fs/retry/FileRetryOnInterrupt.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/ParserUtil.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/Database.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/command/ddl/DefineCommand.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/expression/ArrayElementReference.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/util/geometry/EWKTUtils.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mode/FunctionInfo.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/mvstore/type/ByteArrayDataType.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcStatement.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/store/fs/FilePathWrapper.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/SmallMap.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/SourceCompiler.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/Recover.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/expression/IntervalOperation.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/FileUtils.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueVarchar.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/expression/analysis/WindowFunction.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/Row.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/Cursor.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/web/WebApp.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/value/ValueTimestamp.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/MVMap.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/MVStore.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/message/TraceSystem.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/lob/LobData.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/db/Store.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/TableLink.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
 jar/org/h2/expression/aggregate/AggregateDataStdVar.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/schema/Sequence.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-

jar/org/h2/expression/condition/PredicateWithSubquery.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/RegexpFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/ValueExpression.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/AlterDomainAddConstraint.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/condition/NullPredicate.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/store/fs/split/FileSplit.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mvstore/tx/TxDecisionMaker.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/util/OsgiDataSourceFactory.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/condition/ConditionAndOr.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/aggregate/AggregateDataCorr.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/RangeCursor.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/value/ExtTypeInfoRow.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/CreateAggregate.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/SchemaOwnerCommand.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/schema/UserAggregate.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/store/fs/FakeFileChannel.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/ConcatFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mvstore/MVStoreTool.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mvstore/db/RowDataType.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/AlterView.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/value/ValueVarcharIgnoreCase.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/jdbc/JdbcSQLNonTransientException.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/DBObjectFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/FieldReference.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/jdbcx/JdbcDataSourceFactory.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/FileStoreInputStream.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/CommandInterface.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/Recorder.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/ExpressionWithVariableParameters.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/SoftValuesHashMap.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/compress/LZFOutputStream.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/Shell.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/async/FilePathAsync.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/CreateTable.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/meta/DatabaseMeta.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/CastDataProvider.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/GeneratedColumnResolver.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/JdbcDriverBackwardsCompat.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/AbbaDetector.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/DropDatabase.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueChar.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/DbSettings.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/Operation2.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/TempFileDeleter.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mode/ModeFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/ConvertTraceFile.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/schema/SchemaObject.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/BnfVisitor.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueGeometry.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueUuid.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/CompareMode.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/message/TraceWriter.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/ResultColumn.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/Call.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/MetaCursor.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/CacheWriter.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-

jar/org/h2/util/json/JSONValidationTarget.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/AlterIndexRename.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mvstore/db/MVIndex.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/IntArray.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/store/fs/zip/FilePathZip.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mvstore/type/MetaType.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/query/AllColumnsForPlan.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/aggregate/LongDataCounter.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/api/ErrorCode.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/TypedValueExpression.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/Expression.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/DropFunctionAlias.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/RowFactory.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mode/FunctionsLegacy.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/store/fs/nioMapped/FileNioMapped.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/store/fs/encrypt/FileEncrypt.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/util/SimpleColumnInfo.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mvstore/db/MVSpatialIndex.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/api/AggregateFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/value/ValueCollectionBase.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/DeallocateProcedure.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/store/fs/encrypt/FilePathEncrypt.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/store/LobStorageInterface.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/RightOwner.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/store/FileLockMethod.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/Procedure.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/StringFunction.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/PlanItem.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/table/TableFunction.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/Cursor.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueTime.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/condition/BooleanTest.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/FunctionN.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/CreateFunctionAlias.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/AggregateDataCovar.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/Driver.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/tx/VersionedValueUncommitted.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/Function1.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/web/ConnectionInfo.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/AlterTableDropConstraint.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/DropSchema.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/meta/DatabaseMetaLegacy.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueDouble.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueBoolean.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/CommandRemote.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/condition/ConditionIn.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/CreateLinkedTable.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbcx/JdbcDataSource.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/BlockCipher.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/Sentence.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/fulltext/FullTextSettings.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/IndexCursor.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/CreateCluster.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/context/DbTableOrView.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/DataChangeStatement.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueInterval.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/Fog.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/DelayedDatabaseCloser.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/CoalesceFunction.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/CompressFunction.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/DataHandler.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/DebuggingThreadLocal.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/compress/CompressDeflate.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/CursorPos.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONBoolean.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/CreateSequence.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/SysProperties.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/Tool.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/Prepared.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/Comment.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/analysis/WindowFrameBound.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/ScriptReader.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/StringFunction1.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/CompareModeIcu4J.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSQLXML.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/CurrentGeneralValueSpecification.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mode/PgCatalogSchema.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/ScriptCommand.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/DropDomain.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/Merge.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSQLFeatureNotSupportedException.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSQLTransactionRollbackException.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/ChangeFileEncryption.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/TableFilter.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/IntervalUtils.java  
 \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-

jar/org/h2/util/geometry/EWKBUtills.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/util/json/JSONBytesSource.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mvstore/rtree/MVRTreeMap.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/result/ResultWithGeneratedKeys.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/query/QueryOrderBy.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/store/fs/split/FilePathSplit.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/AlterSequence.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueEnum.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mvstore/tx/Transaction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/Help.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/server/web/JakartaWebServlet.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/DataUtils.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/XTEA.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/jdbc/JdbcBatchUpdateException.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/tools/SimpleRowSource.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/AlterDomainRename.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcLob.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mode/CompatibilityDateTimeValueFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/CreateUser.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/AlterTableAlterColumn.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/NullIfFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/FetchedResult.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/FileBase.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/SetFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/value/ValueJavaObject.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/aggregate/ListaggArguments.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/bnf/context/DbSchema.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/tools/MultiDimension.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/niomem/FileNioMemData.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/table/CSVReadFunction.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/MathUtils.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueRow.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/Function2.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSavepoint.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/query/Select.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/CSVWriteFunction.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/MVStoreException.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueStringBase.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/Operation1.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/Set.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/CipherFactory.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueTimeTimeZone.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/TcpServerThread.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/Backup.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/TcpServer.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/ResultTarget.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/db/MVPlainTempResult.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueDate.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/FreeSpaceBitSet.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/web/WebThread.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONTextSource.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/Page.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/FunctionTable.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/Utils10.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/Rownum.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/AlterDomain.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/JavaAggregate.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/Function1\_2.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/geometry/GeometryUtils.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/UnaryOperation.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/tx/VersionedValueType.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/TypeInfo.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/rtree/Spatial.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/niomem/FilePathNioMem.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/schema/MetaSchema.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/CompareModeDefault.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/LengthFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/VirtualConstructedTable.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/OperationN.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/Analyze.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/meta/DatabaseMetaRemote.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/CreateRole.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/web/WebServer.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/context/DbContextRule.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/FileStore.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/TimeZoneProvider.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueNumeric.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/web/PageParser.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/condition/ConditionInParameter.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/Plan.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/CommandWithColumns.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/FileStore.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/MergeUsing.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/rec/FilePathRec.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/TableLinkConnection.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-

jar/org/h2/command/ddl/CreateIndex.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/fulltext/FullTextLucene.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/jmx/DocumentedMBean.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/ResultExternal.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/schema/InformationSchema.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/util/json/JSONByteArrayTarget.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/User.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/CompatibilitySequenceValueFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/DefaultRow.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/JdbcUtils.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/StringFunction2.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/Constants.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/jdbcx/JdbcConnectionPoolBackwardsCompat.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/engine/SessionRemote.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/util/json/JSONStringTarget.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/value/ExtTypeInfoNumeric.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/CompressTool.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/tools/SimpleResultSet.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/condition/IsJsonPredicate.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/CreateSynonymData.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mode/PgCatalogTable.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/DropView.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/SoundexFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/util/ThreadDeadlockDetector.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/HasSQL.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/Index.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/Sparse.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/index/SingleRowCursor.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mvstore/db/SpatialKey.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/web/Servlet.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/AlterDomainExpressions.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/Explain.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/LazyResult.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/BitFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/pg/PgServer.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/type/LongDataType.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/Setting.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/FileFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/db/ValueDataType.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/CaseInsensitiveMap.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/ExpressionList.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/mem/FilePathMem.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/Delete.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/constraint/ConstraintActionType.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/SettingsBase.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/CaseInsensitiveConcurrentMap.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcCallableStatement.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/Wildcard.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/DataTypeSQLFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/DropSequence.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/RandFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/Format.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/MemoryUnmapper.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueBinary.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/Tokenizer.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/api/DatabaseEventListener.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/type/BasicDataType.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/ShutdownHandler.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/Task.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/OnExitDatabaseCloser.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/DualIndex.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/Value.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcClob.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/AggregateDataDistinctWithCounts.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/UpdatableRow.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/DBObject.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/AggregateDataCollecting.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONTarget.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/api/Trigger.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONValidationTargetWithoutUniqueKeys.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/ConnectionInfo.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/AlterTableRenameColumn.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/AlterUser.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/FileLister.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/DropIndex.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/condition/BetweenPredicate.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/query/SelectGroups.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/Parameter.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/RuleFixed.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/FilePath.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/niomem/FileNioMem.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/VersionedValue.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/web/WebSession.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/CreateSynonym.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/TableView.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueVarbinary.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/SortOrder.java

- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/Console.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mode/Regclass.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/ArrayFunction.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/meta/DatabaseMetaLocalBase.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/OffHeapStore.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/compress/LZFInputStream.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/context/DbProcedure.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/rtree/SpatialDataType.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/RunScript.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/BinaryOperation.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/mem/FilePathMemLZF.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/QueryStatisticsData.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/CreateTableData.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/tx/TransactionStore.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/LegacyDateTimeUtils.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/message/TraceObject.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/Role.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/AggregateData.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/CommandList.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONNumber.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONValidationTargetWithUniqueKeys.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/JavaFunction.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/Bnf.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/DataReader.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/ExecuteProcedure.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/FilteredDataChangeStatement.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/DataChangeDeltaTable.java

\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/RangeIndex.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/AlterTableAddConstraint.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/api/Interval.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/AES.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/DataType.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/Operation0.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/RuleExtension.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcDatabaseMetaData.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/table/JavaTableFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/ColumnResolver.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/cache/FilePathCache.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/StringUtils.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/tx/RollbackDecisionMaker.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/CommandWithValues.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/Column.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/Percentile.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/DbDriverActivator.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/CacheHead.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/BuiltinFunctions.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/tx/VersionedBitSet.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/RuleList.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/schema/Domain.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/LobStorageFrontend.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbcx/JdbcDataSourceBackwardsCompat.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/CommandContainer.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/context/DbContents.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/web/JakartaDbStarter.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/SimpleCase.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/TableSynonym.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-

jar/org/h2/expression/condition/UniquePredicate.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueReal.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/FileChannelInputStream.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/AlterTableRename.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/constraint/ConstraintDomain.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/db/MVTempResult.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/AlterTable.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/constraint/DomainColumnResolver.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueBigDecimalBase.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/retry/FilePathRetryOnInterrupt.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueBlob.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mode/FunctionsOracle.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/ResultRemote.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/db/MVPrimaryIndex.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/AlterTableSet.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/AggregateDataDefault.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/InformationSchemaTableLegacy.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueNull.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/TruncateValueFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ExtTypeInfo.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/SetClauseList.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/aggregate/AggregateDataEnvelope.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/IOUtils.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/ddl/AlterDomainDropConstraint.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcArray.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/QueryExpressionTable.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/ExpressionColumn.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/Utils.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/DualTable.java

- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/table/ArrayTableFunction.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/condition/SimplePredicate.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/compress/Compressor.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/analysis/WindowFrameUnits.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/message/TraceWriterAdapter.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/zip/FileZip.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/tx/TransactionMap.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueBytesBase.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/ParameterRemote.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/CacheTQ.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/JsonConstructorFunction.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/Session.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/dml/BackupCommand.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/DeleteDbFiles.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/DateTimeFunction.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/SessionLocal.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/async/FileAsync.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/table/MetaTable.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/query/TableValueConstructor.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/type/StatefulDataType.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/FileLock.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcStatementBackwardsCompat.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/mem/FileMem.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/NamedExpression.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/index/QueryExpressionCursor.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/expression/function/Function0\_1.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcSQLExceptionTimeoutException.java
- \* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-

jar/org/h2/value/ExtTypeInfoGeometry.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/ArrayConstructorByQuery.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/bnf/RuleRepeat.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mode/OnDuplicateKeyValues.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/result/SearchRow.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/engine/Mode.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/CompatibilityDatePlusTimeOperation.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/MathFunction2.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/Csv.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/NetUtils.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/WriteBuffer.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/jdbc/JdbcResultSetMetaData.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/fs/encrypt/XTS.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/condition/TypePredicate.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/json/JSONString.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/query/Optimizer.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/DomainValueExpression.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/analysis/WindowFrameBoundType.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/api/IntervalQualifier.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/DayMonthNameFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueArray.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/value/ValueClob.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/command/ddl/SequenceOptions.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/store/InDoubtTransaction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/tools/Upgrade.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/HashFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/aggregate/Aggregate.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/function/DateTimeFormatFunction.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/security/SHA3.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/jdbc/JdbcResultSet.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/mvstore/tx/Record.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/server/Service.java  
\* /opt/cola/permits/1519136982\_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/schema/Schema.java

```
* /opt/cola/permits/1519136982_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/expression/TimeZoneOperation.java
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* Copyright 2004-2022 H2 Group. Multiple-Licensed under the MPL 2.0,
```

```
* and the EPL 1.0 (https://h2database.com/html/license.html).
```

```
* Initial Developer: H2 Group
```

```
*/
```

```
/**
```

```
 * Converts a value to a LocalDate.
```

```
 *
```

```
 * This method should only be called from Java 8 or later version.
```

```
 *
```

```
 * @param value
```

```
 *     the value to convert
```

```
 * @param provider
```

```
 *     the cast information provider
```

```
 * @return the LocalDate
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1519136982_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/JSR310Utils.java
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* Copyright 2004-2022 H2 Group. Multiple-Licensed under the MPL 2.0,
```

```
* and the EPL 1.0 (https://h2database.com/html/license.html).
```

```
* Initial Developer: H2 Group
```

```
 *
```

```
 * The variable size number format code is a port from SQLite,
```

```
 * but stored in reverse order (least significant bits in the first byte).
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1519136982_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/store/Data.java
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* Copyright 2004-2022 H2 Group. Multiple-Licensed under the MPL 2.0,
```

```
* and the EPL 1.0 (https://h2database.com/html/license.html).
```

```
* Initial Developer: Jason Brittain (jason.brittain at gmail.com)
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1519136982_1671710531.2417731/0/h2-2-1-214-sources-1-  
jar/org/h2/mode/FunctionsMySQL.java
```

No license file was found, but licenses were detected in source scan.

```
/*
 * Copyright 2004-2022 H2 Group. Multiple-Licensed under the MPL 2.0,
 * and the EPL 1.0 (https://h2database.com/html/license.html).
 * Initial Developer: H2 Group
 *
 * According to a mail from Alan Tucker to Chris H Miller from IBM,
 * the algorithm is in the public domain:
 *
 * Date: 2010-07-15 15:57
 * Subject: Re: Applied Combinatorics Code
 *
 * Chris,
 * The combinatorics algorithms in my textbook are all not under patent
 * or copyright. They are as much in the public domain as the solution to any
 * common question in an undergraduate mathematics course, e.g., in my
 * combinatorics course, the solution to the problem of how many arrangements
 * there are of the letters in the word MATHEMATICS. I appreciate your due
 * diligence.
 * -Alan
 */
```

Found in path(s):

```
*/opt/cola/permits/1519136982_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/util/Permutations.java
No license file was found, but licenses were detected in source scan.
```

```
/*
 * Copyright 2004-2022 H2 Group. Multiple-Licensed under the MPL 2.0,
 * and the EPL 1.0 (https://h2database.com/html/license.html).
 * Initial Developer: H2 Group
 *
 * Nicolas Fortin, Atelier SIG, IRSTV FR CNRS 24888
 * Support for the operator "&&" as an alias for SPATIAL_INTERSECTS
 */
```

Found in path(s):

```
*/opt/cola/permits/1519136982_1671710531.2417731/0/h2-2-1-214-sources-1-jar/org/h2/command/Parser.java
```

## 1.1070 kotlin 1.6.21

### 1.1070.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
{"version":3,"file":"kotlin.js","sources":["wrapper.js","js/arrayUtils.js","js/callableReferenceUtils.js","js/conversions.js","js/core.js","js/long.js","js/markerFunctions.js","js/misc.js","js/polyfills.js","js/rtti.js","runtime/arrayUtils.kt","runtime/Enum.kt","primitiveCompanionObjects.kt","common/src/generated/_Arrays.kt","common/src/generated/_Ran
```

ges.kt", "unsigned/src/kotlin/UByte.kt", "unsigned/src/kotlin/UInt.kt", "unsigned/src/kotlin/UShort.kt", "builtin-sources/Ranges.kt", "src/kotlin/collections/Collections.kt", "src/kotlin/collections/Maps.kt", "src/kotlin/collections/Sets.kt", "src/kotlin/text/StringNumberConversions.kt", "src/kotlin/time/Duration.kt", "unsigned/src/kotlin/UnsignedUtils.kt", "src/kotlin/collections/Iterables.kt", "src/kotlin/collections/Sequences.kt", "src/kotlin/util/Preconditions.kt", "js/src/generated/\_ArraysJs.kt", "src/kotlin/comparisons/Comparisons.kt", "src/kotlin/util/Standard.kt", "js/src/generated/\_ComparisonsJs.kt", "unsigned/src/kotlin/ULong.kt", "common/src/generated/\_Collections.kt", "js/src/kotlin/collections.kt", "src/kotlin/collections/Iterators.kt", "common/src/generated/\_Comparisons.kt", "common/src/generated/\_Maps.kt", "common/src/generated/\_OneToManyTitlecaseMappings.kt", "js/src/kotlin/text/char.kt", "js/src/kotlin/text/string.kt", "src/kotlin/text/Char.kt", 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erties/Interfaces.kt", "src/kotlin/properties/ObservableProperty.kt", "src/kotlin/properties/PropertyReferenceDelegates  
.kt", "src/kotlin/random/Random.kt", "src/kotlin/random/URandom.kt", "src/kotlin/random/XorWowRandom.kt", "src/  
kotlin/ranges/Ranges.kt", "src/kotlin/reflect/KClasses.kt", "src/kotlin/reflect/KTypeProjection.kt", "src/kotlin/reflect/K  
Variance.kt", "src/kotlin/reflect/typeOf.kt", "src/kotlin/text/Appendable.kt", "src/kotlin/text/Indent.kt", "src/kotlin/text/  
Typography.kt", "src/kotlin/text/regex/MatchResult.kt", "src/kotlin/time/DurationUnit.kt", "src/kotlin/time/Experimen  
talTime.kt", "src/kotlin/time/TimeSource.kt", "src/kotlin/time/TimeSources.kt", "src/kotlin/time/measureTime.kt", "src  
/kotlin/util/DeepRecursive.kt", "src/kotlin/util/FloorDivMod.kt", "src/kotlin/util/HashCode.kt", "src/kotlin/util/Kotlin  
Version.kt", "src/kotlin/util/Lateinit.kt", "src/kotlin/util/Lazy.kt", "src/kotlin/util/Numbers.kt", "src/kotlin/util/Suspend.  
kt", "src/kotlin/util/Tuples.kt", "unsigned/src/kotlin/UIntRange.kt", "unsigned/src/kotlin/UIterators.kt", "unsigned/src/k  
otlin/ULongRange.kt", "unsigned/src/kotlin/UMath.kt", "unsigned/src/kotlin/UNumbers.kt", "unsigned/src/kotlin/UPr  
ogressionUtil.kt", "unsigned/src/kotlin/UStrings.kt", "unsigned/src/kotlin/annotations/Unsigned.kt", "common/src/kotl  
in/MathH.kt"], "sourcesContent": ["(function (root, factory) {\n if (typeof define === 'function' && define.amd) {\n  
define('kotlin', ['exports'], factory);\n } else if (typeof exports === 'object') {\n  
factory(module.exports);\n } else {\n root.kotlin = {};\n factory(root.kotlin);\n } })(this, function  
(Kotlin) {\n var \_ = Kotlin;\n\n insertContent();\n});\n", "/\*\n \* Copyright 2010-2018 JetBrains s.r.o. and Kotlin  
Programming Language contributors. \n \* Use of this source code is governed by the Apache 2.0 license that can be  
found in the license/LICENSE.txt file.\n \*\n\nKotlin.isBooleanArray = function (a) {\n return (Array.isArray(a) ||  
a instanceof Int8Array) && a.\$type\$ === \"BooleanArray\"\n};\n\nKotlin.isByteArray = function (a) {\n return a  
instanceof Int8Array && a.\$type\$ !== \"BooleanArray\"\n};\n\nKotlin.isShortArray = function (a) {\n return a  
instanceof Int16Array\n};\n\nKotlin.isCharArray = function (a) {\n return a instanceof Uint16Array && a.\$type\$  
=== \"CharArray\"\n};\n\nKotlin.isIntArray = function (a) {\n return a instanceof  
Int32Array\n};\n\nKotlin.isFloatArray = function (a) {\n return a instanceof  
Float32Array\n};\n\nKotlin.isDoubleArray = function (a) {\n return a instanceof  
Float64Array\n};\n\nKotlin.isLongArray = function (a) {\n return Array.isArray(a) && a.\$type\$ ===  
\"LongArray\"\n};\n\nKotlin.isArray = function (a) {\n return Array.isArray(a) &&  
!a.\$type\$;\n};\n\nKotlin.isArrayish = function (a) {\n return Array.isArray(a) ||  
ArrayBuffer.isView(a)\n};\n\nKotlin.arrayToString = function (a) {\n if (a === null) return \"null\"\n var  
toString = Kotlin.isCharArray(a) ? String.fromCharCode : Kotlin.toString;\n return \"[\" +  
Array.prototype.map.call(a, function(e) { return toString(e); }).join(\", \") + \"]\"\n};\n\nKotlin.arrayDeepToString  
= function (arr) {\n return Kotlin.kotlin.collections.contentDeepToStringImpl(arr);\n};\n\nKotlin.arrayEquals =  
function (a, b) {\n if (a === b) {\n return true;\n } else if (a === null || b === null || !Kotlin.isArrayish(b) ||

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a.length !== b.length) {\n    return false;\n };\n\n for (var i = 0, n = a.length; i < n; i++) {\n    if
(!Kotlin.equals(a[i], b[i])) {\n    return false;\n };\n };\n return true;\n};\n\nKotlin.arrayDeepEquals =
function (a, b) {\n    return Kotlin.kotlin.collections.contentDeepEqualsImpl(a, b);\n};\n\nKotlin.arrayHashCode =
function (arr) {\n    if (arr === null) return 0;\n    var result = 1;\n    for (var i = 0, n = arr.length; i < n; i++) {\n
result = ((31 * result | 0) + Kotlin.hashCode(arr[i])) | 0;\n };\n    return result;\n};\n\nKotlin.arrayDeepHashCode =
function (arr) {\n    return
Kotlin.kotlin.collections.contentDeepHashCodeImpl(arr);\n};\n\nKotlin.primitiveArraySort = function (array) {\n
array.sort(Kotlin.doubleCompareTo);\n};\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\nKotlin.getCallableRef = function(name, f) {\n    f.callableName = name;\n    return
f;\n};\n\nKotlin.getPropertyCallableRef = function(name, paramCount, getter, setter) {\n    getter.get = getter;\n
getter.set = setter;\n    getter.callableName = name;\n    return getPropertyRefClass(getter, setter,
propertyRefClassMetadataCache[paramCount]);\n};\n\nfunction getPropertyRefClass(obj, setter, cache) {\n
obj.$metadata$ = getPropertyRefMetadata(typeof setter === "function" ? cache.mutable : cache.immutable);\n
obj.constructor = obj;\n    return obj;\n};\n\nvar propertyRefClassMetadataCache = [\n    {\n        mutable: { value:
null, implementedInterface: function () {\n            return Kotlin.kotlin.reflect.KMutableProperty0 }\n        },\n
immutable: { value: null, implementedInterface: function () {\n            return Kotlin.kotlin.reflect.KProperty0 }\n
        }\n    },\n    {\n        mutable: { value: null, implementedInterface: function () {\n            return
Kotlin.kotlin.reflect.KMutableProperty1 }\n        },\n        immutable: { value: null, implementedInterface: function
() {\n            return Kotlin.kotlin.reflect.KProperty1 }\n        }\n    };\n\nfunction getPropertyRefMetadata(cache)
{\n    if (cache.value === null) {\n        cache.value = {\n            interfaces: [cache.implementedInterface()],\n
baseClass: null,\n            functions: {},\n            properties: {},\n            types: {},\n            staticMembers: {};\n
};\n    }\n    return cache.value;\n};\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\nKotlin.toShort = function (a) {\n    return (a & 0xFFFF) << 16 >>
16;\n};\n\nKotlin.toByte = function (a) {\n    return (a & 0xFF) << 24 >> 24;\n};\n\nKotlin.toChar = function (a) {\n
return a & 0xFFFF;\n};\n\nKotlin.numberToLong = function (a) {\n    return a instanceof Kotlin.Long ? a :
Kotlin.Long.fromNumber(a);\n};\n\nKotlin.numberToInt = function (a) {\n    return a instanceof Kotlin.Long ?
a.toInt() : Kotlin.doubleToInt(a);\n};\n\nKotlin.numberToShort = function (a) {\n    return
Kotlin.toShort(Kotlin.numberToInt(a));\n};\n\nKotlin.numberToByte = function (a) {\n    return
Kotlin.toByte(Kotlin.numberToInt(a));\n};\n\nKotlin.numberToDouble = function (a) {\n    return
+a;\n};\n\nKotlin.numberToChar = function (a) {\n    return
Kotlin.toChar(Kotlin.numberToInt(a));\n};\n\nKotlin.doubleToInt = function(a) {\n    if (a > 2147483647) return
2147483647;\n    if (a < -2147483648) return -2147483648;\n    return a | 0;\n};\n\nKotlin.toBoxedChar = function
(a) {\n    if (a == null) return a;\n    if (a instanceof Kotlin.BoxedChar) return a;\n    return new
Kotlin.BoxedChar(a);\n};\n\nKotlin.unboxChar = function(a) {\n    if (a == null) return a;\n    return
Kotlin.toChar(a);\n};\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\nKotlin.equals = function (obj1, obj2) {\n    if (obj1 == null) {\n        return obj2 ==
null;\n    }\n\n    if (obj2 == null) {\n        return false;\n    }\n\n    if (obj1 !== obj2) {\n        return obj2 !== obj2;\n
}\n\n    if (typeof obj1 === "object" && typeof obj1.equals === "function") {\n        return obj1.equals(obj2);\n
}\n\n    if (typeof obj1 === "number" && typeof obj2 === "number") {\n        return obj1 === obj2 && (obj1 !==
0 || 1 / obj1 === 1 / obj2);\n    }\n\n    return obj1 === obj2;\n};\n\nKotlin.hashCode = function (obj) {\n    if (obj ==
null) {\n        return 0;\n    }\n\n    var objType = typeof obj;\n    if ("object" === objType) {\n        return "function"
=== typeof obj.hashCode ? obj.hashCode() : getObjectHashCode(obj);\n    }\n    if ("function" === objType) {\n
return getObjectHashCode(obj);\n    }\n    if ("number" === objType) {\n        return
Kotlin.numberHashCode(obj);\n    }\n    if ("boolean" === objType) {\n        return Number(obj);\n    }\n\n    var str
= String(obj);\n    return getStringHashCode(str);\n};\n\nKotlin.toString = function (o) {\n    if (o == null) {\n

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return "null";\n } else if (Kotlin.isArrayish(o)) {\n return "[...]";\n } else {\n return
o.toString();\n };\n\n/** @const *\nvar POW_2_32 = 4294967296;\n// TODO: consider switching to Symbol
type once we are on ES6.\n/** @const *\nvar OBJECT_HASH_CODE_PROPERTY_NAME =
"kotlinHashCodeValue$";\n\nfunction getObjectHashCode(obj) {\n if
(! (OBJECT_HASH_CODE_PROPERTY_NAME in obj)) {\n var hash = (Math.random() * POW_2_32) | 0; //
Make 32-bit signed integer.\n Object.defineProperty(obj, OBJECT_HASH_CODE_PROPERTY_NAME, {
value: hash, enumerable: false });\n }\n return
obj[OBJECT_HASH_CODE_PROPERTY_NAME];\n}\n\nfunction getStringHashCode(str) {\n var hash = 0;\n
for (var i = 0; i < str.length; i++) {\n var code = str.charCodeAt(i);\n hash = (hash * 31 + code) | 0; // Keep
it 32-bit.\n }\n return hash;\n}\n\nKotlin.identityHashCode = getObjectHashCode;\n", "/*\n * Copyright 2010-
2018 JetBrains s.r.o. and Kotlin Programming Language contributors. \n * Use of this source code is governed by
the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\n// Copyright 2009 The Closure
Library Authors. All Rights Reserved.\n\n// Licensed under the Apache License, Version 2.0 (the "License");\n//
you may not use this file except in compliance with the License.\n// You may obtain a copy of the License at\n\n//
http://www.apache.org/licenses/LICENSE-2.0\n\n// Unless required by applicable law or agreed to in writing,
software\n// distributed under the License is distributed on an "AS-IS" BASIS,\n// WITHOUT WARRANTIES OR
CONDITIONS OF ANY KIND, either express or implied.\n\n/**\n * Constructs a 64-bit two's-complement integer,
given its low and high 32-bit\n * values as *signed* integers. See the from* functions below for more\n *
convenient ways of constructing Longs.\n * \n * The internal representation of a long is the two given signed, 32-bit
values.\n * We use 32-bit pieces because these are the size of integers on which\n * Javascript performs bit-
operations. For operations like addition and\n * multiplication, we split each number into 16-bit pieces, which can
easily be\n * multiplied within Javascript's floating-point representation without overflow\n * or change in sign.\n
*\n * In the algorithms below, we frequently reduce the negative case to the\n * positive case by negating the
input(s) and then post-processing the result.\n * Note that we must ALWAYS check specially whether those values
are MIN_VALUE\n * (-2^63) because -MIN_VALUE == MIN_VALUE (since 2^63 cannot be represented as\n * a
positive number, it overflows back into a negative). Not handling this\n * case would often result in infinite
recursion.\n * \n * @param {number} low The low (signed) 32 bits of the long.\n * @param {number} high The
high (signed) 32 bits of the long.\n * @constructor\n * @final\n *\nKotlin.Long = function(low, high) {\n /**\n *
@type {number}\n * @private\n *\n this.low_ = low | 0; // force into 32 signed bits.\n\n /**\n * @type
{number}\n * @private\n *\n this.high_ = high | 0; // force into 32 signed bits.\n};\n\nKotlin.Long.$metadata$ =
{\n kind: "class",\n simpleName: "Long",\n interfaces: [];\n};\n\n// NOTE: Common constant values
ZERO, ONE, NEG_ONE, etc. are defined below the\n// from* methods on which they depend.\n\n\n/**\n * A cache
of the Long representations of small integer values.\n * @type {!Object}\n * @private\n *\nKotlin.Long.IntCache_
= {};\n\n\n/**\n * Returns a Long representing the given (32-bit) integer value.\n * @param {number} value The
32-bit integer in question.\n * @return {!Kotlin.Long} The corresponding Long value.\n *\nKotlin.Long.fromInt =
function(value) {\n if (-128 <= value && value < 128) {\n var cachedObj = Kotlin.Long.IntCache_[value];\n if
(cachedObj) {\n return cachedObj;\n }\n }\n\n var obj = new Kotlin.Long(value | 0, value < 0 ? -1 : 0);\n if (-
128 <= value && value < 128) {\n Kotlin.Long.IntCache_[value] = obj;\n }\n return obj;\n};\n\n\n/**\n *
Converts this number value to `Long`. \n * The fractional part, if any, is rounded down towards zero.\n * Returns
zero if this `Double` value is `NaN`, `Long.MIN_VALUE` if it's less than `Long.MIN_VALUE`, \n *
`Long.MAX_VALUE` if it's bigger than `Long.MAX_VALUE`. \n * @param {number} value The number in
question.\n * @return {!Kotlin.Long} The corresponding Long value.\n *\nKotlin.Long.fromNumber =
function(value) {\n if (isNaN(value)) {\n return Kotlin.Long.ZERO;\n } else if (value <= -
Kotlin.Long.TWO_PWR_63_DBL_) {\n return Kotlin.Long.MIN_VALUE;\n } else if (value + 1 >=
Kotlin.Long.TWO_PWR_63_DBL_) {\n return Kotlin.Long.MAX_VALUE;\n } else if (value < 0) {\n return
Kotlin.Long.fromNumber(-value).negate();\n } else {\n return new Kotlin.Long(\n (value %
Kotlin.Long.TWO_PWR_32_DBL_) | 0,\n (value / Kotlin.Long.TWO_PWR_32_DBL_) | 0);\n
});\n\n\n/**\n * Returns a Long representing the 64-bit integer that comes by concatenating\n * the given high and

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low bits. Each is assumed to use 32 bits.\n * @param {number} lowBits The low 32-bits.\n * @param {number}
highBits The high 32-bits.\n * @return {!Kotlin.Long} The corresponding Long value.\n *^nKotlin.Long.fromBits
= function(lowBits, highBits) {\n  return new Kotlin.Long(lowBits, highBits);}\n};\n\n/**\n * Returns a Long
representation of the given string, written using the given\n * radix.\n * @param {string} str The textual
representation of the Long.\n * @param {number=} opt_radix The radix in which the text is written.\n * @return
{!Kotlin.Long} The corresponding Long value.\n *^nKotlin.Long.fromString = function(str, opt_radix) {\n  if
(str.length == 0) {\n    throw Error('number format error: empty string');\n  }\n\n  var radix = opt_radix || 10;\n  if
(radix < 2 || 36 < radix) {\n    throw Error('radix out of range: ' + radix);\n  }\n\n  if (str.charAt(0) == '-') {\n    return
Kotlin.Long.fromString(str.substring(1), radix).negate();\n  } else if (str.indexOf('-') >= 0) {\n    throw Error('number
format error: interior \"-\" character: ' + str);\n  }\n\n  // Do several (8) digits each time through the loop, so as to\n //
minimize the calls to the very expensive emulated div.\n  var radixToPower =
Kotlin.Long.fromNumber(Math.pow(radix, 8));\n\n  var result = Kotlin.Long.ZERO;\n  for (var i = 0; i < str.length;
i += 8) {\n    var size = Math.min(8, str.length - i);\n    var value = parseInt(str.substring(i, i + size), radix);\n    if
(size < 8) {\n      var power = Kotlin.Long.fromNumber(Math.pow(radix, size));\n      result =
result.multiply(power).add(Kotlin.Long.fromNumber(value));\n    } else {\n      result =
result.multiply(radixToPower);\n      result = result.add(Kotlin.Long.fromNumber(value));\n    }\n  }\n  return
result;\n};\n\n// NOTE: the compiler should inline these constant values below and then remove\n// these
variables, so there should be no runtime penalty for these.\n\n/**\n * Number used repeated below in calculations.
This must appear before the\n * first call to any from* function below.\n * @type {number}\n * @private\n
*^nKotlin.Long.TWO_PWR_16_DBL_ = 1 << 16;\n\n/**\n * @type {number}\n * @private\n
*^nKotlin.Long.TWO_PWR_24_DBL_ = 1 << 24;\n\n/**\n * @type {number}\n * @private\n
*^nKotlin.Long.TWO_PWR_32_DBL_ =\n  Kotlin.Long.TWO_PWR_16_DBL_ *
Kotlin.Long.TWO_PWR_16_DBL_;\n\n/**\n * @type {number}\n * @private\n
*^nKotlin.Long.TWO_PWR_31_DBL_ =\n  Kotlin.Long.TWO_PWR_32_DBL_ / 2;\n\n/**\n * @type
{number}\n * @private\n
*^nKotlin.Long.TWO_PWR_48_DBL_ =\n  Kotlin.Long.TWO_PWR_32_DBL_ *
Kotlin.Long.TWO_PWR_16_DBL_;\n\n/**\n * @type {number}\n * @private\n
*^nKotlin.Long.TWO_PWR_64_DBL_ =\n  Kotlin.Long.TWO_PWR_32_DBL_ *
Kotlin.Long.TWO_PWR_32_DBL_;\n\n/**\n * @type {number}\n * @private\n
*^nKotlin.Long.TWO_PWR_63_DBL_ =\n  Kotlin.Long.TWO_PWR_64_DBL_ / 2;\n\n/** @type
{!Kotlin.Long} *^nKotlin.Long.ZERO = Kotlin.Long.fromInt(0);\n\n/** @type {!Kotlin.Long}
*^nKotlin.Long.ONE = Kotlin.Long.fromInt(1);\n\n/** @type {!Kotlin.Long} *^nKotlin.Long.NEG_ONE =
Kotlin.Long.fromInt(-1);\n\n/** @type {!Kotlin.Long} *^nKotlin.Long.MAX_VALUE =\n
Kotlin.Long.fromBits(0xFFFFFFFF | 0, 0x7FFFFFFF | 0);\n\n/** @type {!Kotlin.Long}
*^nKotlin.Long.MIN_VALUE = Kotlin.Long.fromBits(0, 0x80000000 | 0);\n\n/**\n * @type {!Kotlin.Long}\n *
@private\n
*^nKotlin.Long.TWO_PWR_24_ = Kotlin.Long.fromInt(1 << 24);\n\n/** @return {number} The
value, assuming it is a 32-bit integer. *^nKotlin.Long.prototype.toInt = function() {\n  return this.low_;\n};\n\n/**
@return {number} The closest floating-point representation to this value. *^nKotlin.Long.prototype.toNumber =
function() {\n  return this.high_ * Kotlin.Long.TWO_PWR_32_DBL_ +\n
this.getLowBitsUnsigned();\n};\n\n/** @return {number} The 32-bit hashCode of this value.
*^nKotlin.Long.prototype.hashCode = function() {\n  return this.high_ ^ this.low_;\n};\n\n/**\n * @param
{number=} opt_radix The radix in which the text should be written.\n * @return {string} The textual representation
of this value.\n * @override\n
*^nKotlin.Long.prototype.toString = function(opt_radix) {\n  var radix = opt_radix ||
10;\n  if (radix < 2 || 36 < radix) {\n    throw Error('radix out of range: ' + radix);\n  }\n\n  if (this.isZero()) {\n
return '0';\n  }\n\n  if (this.isNegative()) {\n    if (this.equalsLong(Kotlin.Long.MIN_VALUE)) {\n      // We need to
change the Long value before it can be negated, so we remove\n      // the bottom-most digit in this base and then
recurse to do the rest.\n      var radixLong = Kotlin.Long.fromNumber(radix);\n      var div = this.div(radixLong);\n
      var rem = div.multiply(radixLong).subtract(this);\n      return div.toString(radix) + rem.toInt().toString(radix);\n    }
else {\n      return '-' + this.negate().toString(radix);\n    }\n  }\n\n  // Do several (6) digits each time through the loop,

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so as to\n // minimize the calls to the very expensive emulated div.\n var radixToPower =
Kotlin.Long.fromNumber(Math.pow(radix, 6));\n var rem = this;\n var result = ""\n while (true) {\n var
remDiv = rem.div(radixToPower);\n var intval = rem.subtract(remDiv.multiply(radixToPower)).toInt();\n var
digits = intval.toString(radix);\n rem = remDiv;\n if (rem.isZero()) {\n return digits + result;\n } else {\n
while (digits.length < 6) {\n digits = '0' + digits;\n }\n result = " + digits + result;\n }\n }\n};\n\n/**
@return {number} The high 32-bits as a signed value. *\nKotlin.Long.prototype.getHighBits = function() {\n
return this.high_;\n};\n\n/** @return {number} The low 32-bits as a signed value.
*\nKotlin.Long.prototype.getLowBits = function() {\n return this.low_;\n};\n\n/** @return {number} The low
32-bits as an unsigned value. *\nKotlin.Long.prototype.getLowBitsUnsigned = function() {\n return (this.low_ >=
0) ?\n this.low_ : Kotlin.Long.TWO_PWR_32_DBL_ + this.low_;\n};\n\n/**\n * @return {number} Returns
the number of bits needed to represent the absolute\n * value of this Long.\n
*\nKotlin.Long.prototype.getNumBitsAbs = function() {\n if (this.isNegative()) {\n if
(this.equalsLong(Kotlin.Long.MIN_VALUE)) {\n return 64;\n } else {\n return
this.negate().getNumBitsAbs();\n }\n } else {\n var val = this.high_ != 0 ? this.high_ : this.low_;\n for (var bit
= 31; bit > 0; bit--) {\n if ((val & (1 << bit)) != 0) {\n break;\n }\n }\n return this.high_ != 0 ? bit + 33
: bit + 1;\n }\n};\n\n/** @return {boolean} Whether this value is zero. *\nKotlin.Long.prototype.isZero =
function() {\n return this.high_ == 0 && this.low_ == 0;\n};\n\n/** @return {boolean} Whether this value is
negative. *\nKotlin.Long.prototype.isNegative = function() {\n return this.high_ < 0;\n};\n\n/** @return
{boolean} Whether this value is odd. *\nKotlin.Long.prototype.isOdd = function() {\n return (this.low_ & 1) ==
1;\n};\n\n/**\n * @param {Kotlin.Long} other Long to compare against.\n * @return {boolean} Whether this
Long equals the other.\n *\nKotlin.Long.prototype.equalsLong = function(other) {\n return (this.high_ ==
other.high_) && (this.low_ == other.low_);\n};\n\n/**\n * @param {Kotlin.Long} other Long to compare
against.\n * @return {boolean} Whether this Long does not equal the other.\n
*\nKotlin.Long.prototype.notEqualsLong = function(other) {\n return (this.high_ != other.high_) || (this.low_ !=
other.low_);\n};\n\n/**\n * @param {Kotlin.Long} other Long to compare against.\n * @return {boolean}
Whether this Long is less than the other.\n *\nKotlin.Long.prototype.lessThan = function(other) {\n return
this.compare(other) < 0;\n};\n\n/**\n * @param {Kotlin.Long} other Long to compare against.\n * @return
{boolean} Whether this Long is less than or equal to the other.\n *\nKotlin.Long.prototype.lessThanOrEqual =
function(other) {\n return this.compare(other) <= 0;\n};\n\n/**\n * @param {Kotlin.Long} other Long to
compare against.\n * @return {boolean} Whether this Long is greater than the other.\n
*\nKotlin.Long.prototype.greaterThan = function(other) {\n return this.compare(other) > 0;\n};\n\n/**\n *
@param {Kotlin.Long} other Long to compare against.\n * @return {boolean} Whether this Long is greater than or
equal to the other.\n *\nKotlin.Long.prototype.greaterThanOrEqual = function(other) {\n return
this.compare(other) >= 0;\n};\n\n/**\n * @param {Kotlin.Long} other Long to compare against.\n * @return
{number} 0 if they are the same, 1 if the this is greater, and -1\n * if the given one is greater.\n *\nKotlin.Long.prototype.compare = function(other) {\n if (this.equalsLong(other)) {\n
return 0;\n }\n\n var thisNeg = this.isNegative();\n var otherNeg = other.isNegative();\n if (thisNeg &&
!otherNeg) {\n return -1;\n }\n if (!thisNeg && otherNeg) {\n return 1;\n }\n\n // at this point, the signs are the
same, so subtraction will not overflow\n if (this.subtract(other).isNegative()) {\n return -1;\n } else {\n return
1;\n }\n};\n\n/** @return {!Kotlin.Long} The negation of this value. *\nKotlin.Long.prototype.negate =
function() {\n if (this.equalsLong(Kotlin.Long.MIN_VALUE)) {\n return Kotlin.Long.MIN_VALUE;\n } else
{\n return this.not().add(Kotlin.Long.ONE);\n }\n};\n\n/**\n * Returns the sum of this and the given Long.\n
*\n * @param {Kotlin.Long} other Long to add to this one.\n * @return {!Kotlin.Long} The sum of this and the given
Long.\n *\nKotlin.Long.prototype.add = function(other) {\n // Divide each number into 4 chunks of 16 bits, and
then sum the chunks.\n\n var a48 = this.high_ >>> 16;\n var a32 = this.high_ & 0xFFFF;\n var a16 = this.low_
>>> 16;\n var a00 = this.low_ & 0xFFFF;\n\n var b48 = other.high_ >>> 16;\n var b32 = other.high_ & 0xFFFF;\n
var b16 = other.low_ >>> 16;\n var b00 = other.low_ & 0xFFFF;\n\n var c48 = 0, c32 = 0, c16 = 0, c00 = 0;\n c00
+= a00 + b00;\n c16 += c00 >>> 16;\n c00 &= 0xFFFF;\n c16 += a16 + b16;\n c32 += c16 >>> 16;\n c16 &=

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0xFFFF;\n c32 += a32 + b32;\n c48 += c32 >>> 16;\n c32 &= 0xFFFF;\n c48 += a48 + b48;\n c48 &=
0xFFFF;\n return Kotlin.Long.fromBits((c16 << 16) | c00, (c48 << 16) | c32);\n};\n\n\n/**\n * Returns the
difference of this and the given Long.\n * @param {Kotlin.Long} other Long to subtract from this.\n * @return
{!Kotlin.Long} The difference of this and the given Long.\n */\nKotlin.Long.prototype.subtract = function(other)
{\n return this.add(other.negate());\n};\n\n\n/**\n * Returns the product of this and the given long.\n * @param
{Kotlin.Long} other Long to multiply with this.\n * @return {!Kotlin.Long} The product of this and the other.\n
*/\nKotlin.Long.prototype.multiply = function(other) {\n if (this.isZero()) {\n return Kotlin.Long.ZERO;\n } else
if (other.isZero()) {\n return Kotlin.Long.ZERO;\n }\n\n if (this.equalsLong(Kotlin.Long.MIN_VALUE)) {\n
return other.isOdd() ? Kotlin.Long.MIN_VALUE : Kotlin.Long.ZERO;\n } else if
(other.equalsLong(Kotlin.Long.MIN_VALUE)) {\n return this.isOdd() ? Kotlin.Long.MIN_VALUE :
Kotlin.Long.ZERO;\n }\n\n if (this.isNegative()) {\n if (other.isNegative()) {\n return
this.negate().multiply(other.negate());\n } else {\n return this.negate().multiply(other).negate();\n }\n } else if
(other.isNegative()) {\n return this.multiply(other.negate()).negate();\n }\n\n // If both longs are small, use float
multiplication\n if (this.lessThan(Kotlin.Long.TWO_PWR_24_) &&\n
other.lessThan(Kotlin.Long.TWO_PWR_24_)) {\n return Kotlin.Long.fromNumber(this.toNumber() *
other.toNumber());\n }\n\n // Divide each long into 4 chunks of 16 bits, and then add up 4x4 products.\n // We can
skip products that would overflow.\n\n var a48 = this.high_ >>> 16;\n var a32 = this.high_ & 0xFFFF;\n var a16 =
this.low_ >>> 16;\n var a00 = this.low_ & 0xFFFF;\n\n var b48 = other.high_ >>> 16;\n var b32 = other.high_ &
0xFFFF;\n var b16 = other.low_ >>> 16;\n var b00 = other.low_ & 0xFFFF;\n var c48 = 0, c32 = 0, c16 = 0, c00
= 0;\n c00 += a00 * b00;\n c16 += c00 >>> 16;\n c00 &= 0xFFFF;\n c16 += a16 * b00;\n c32 += c16 >>> 16;\n
c16 &= 0xFFFF;\n c16 += a00 * b16;\n c32 += c16 >>> 16;\n c16 &= 0xFFFF;\n c32 += a32 * b00;\n c48 +=
c32 >>> 16;\n c32 &= 0xFFFF;\n c32 += a16 * b16;\n c48 += c32 >>> 16;\n c32 &= 0xFFFF;\n c32 += a00 *
b32;\n c48 += c32 >>> 16;\n c32 &= 0xFFFF;\n c48 += a48 * b00 + a32 * b16 + a16 * b32 + a00 * b48;\n c48
&= 0xFFFF;\n return Kotlin.Long.fromBits((c16 << 16) | c00, (c48 << 16) | c32);\n};\n\n\n/**\n * Returns this
Long divided by the given one.\n * @param {Kotlin.Long} other Long by which to divide.\n * @return
{!Kotlin.Long} This Long divided by the given one.\n */\nKotlin.Long.prototype.div = function(other) {\n if
(other.isZero()) {\n throw Error('division by zero');\n } else if (this.isZero()) {\n return Kotlin.Long.ZERO;\n
}\n\n if (this.equalsLong(Kotlin.Long.MIN_VALUE)) {\n if (other.equalsLong(Kotlin.Long.ONE)) |\n
other.equalsLong(Kotlin.Long.NEG_ONE)) {\n return Kotlin.Long.MIN_VALUE; // recall that -MIN_VALUE
== MIN_VALUE\n } else if (other.equalsLong(Kotlin.Long.MIN_VALUE)) {\n return Kotlin.Long.ONE;\n
}\n } else {\n // At this point, we have |other| >= 2, so |this/other| < |MIN_VALUE|. \n var halfThis =
this.shiftRight(1);\n var approx = halfThis.div(other).shiftLeft(1);\n if
(approx.equalsLong(Kotlin.Long.ZERO)) {\n return other.isNegative() ? Kotlin.Long.ONE :
Kotlin.Long.NEG_ONE;\n } else {\n var rem = this.subtract(other.multiply(approx));\n var result =
approx.add(rem.div(other));\n return result;\n }\n }\n } else if
(other.equalsLong(Kotlin.Long.MIN_VALUE)) {\n return Kotlin.Long.ZERO;\n }\n\n if (this.isNegative()) {\n
if (other.isNegative()) {\n return this.negate().div(other.negate());\n } else {\n return
this.negate().div(other).negate();\n }\n } else if (other.isNegative()) {\n return
this.div(other.negate()).negate();\n }\n\n // Repeat the following until the remainder is less than other: find a\n //
floating-point that approximates remainder / other *from below*, add this\n // into the result, and subtract it from
the remainder. It is critical that\n // the approximate value is less than or equal to the real value so that the\n //
remainder never becomes negative.\n var res = Kotlin.Long.ZERO;\n var rem = this;\n while
(rem.greaterThanOrEqual(other)) {\n // Approximate the result of division. This may be a little greater or\n //
smaller than the actual value.\n var approx = Math.max(1, Math.floor(rem.toNumber() / other.toNumber()));\n\n
// We will tweak the approximate result by changing it in the 48-th digit or\n // the smallest non-fractional digit,
whichever is larger.\n var log2 = Math.ceil(Math.log(approx) / Math.LN2);\n var delta = (log2 <= 48) ? 1 :
Math.pow(2, log2 - 48);\n // Decrease the approximation until it is smaller than the remainder. Note\n // that if
it is too large, the product overflows and is negative.\n var approxRes = Kotlin.Long.fromNumber(approx);\n

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found in the license/LICENSE.txt file.\n *^n/n/**n * @param {string} id\n * @param {Object} declaration\n *^nKotlin.defineModule = function (id, declaration) {\n};\n\nKotlin.defineInlineFunction = function(tag, fun) {\n
return fun;\n};\n\nKotlin.wrapFunction = function(fun) {\n  var f = function() {\n    f = fun();\n    return
f.apply(this, arguments);\n  };\n  return function() {\n    return f.apply(this, arguments);\n
};\n};\n\nKotlin.isTypeOf = function(type) {\n  return function (object) {\n    return typeof object === type;\n
};\n};\n\nKotlin.isInstanceOf = function (class) {\n  return function (object) {\n    return Kotlin.isType(object,
class);\n  };\n};\n\nKotlin.orNull = function (fn) {\n  return function (object) {\n    return object == null ||
fn(object);\n  };\n};\n\nKotlin.andPredicate = function (a, b) {\n  return function (object) {\n    return a(object)
&& b(object);\n  };\n};\n\nKotlin.kotlinModuleMetadata = function (abiVersion, moduleName, data)
{\n};\n\nKotlin.suspendCall = function(value) {\n  return value;\n};\n\nKotlin.coroutineResult = function(qualifier)
{\n  throwMarkerError();\n};\n\nKotlin.coroutineController = function(qualifier) {\n
throwMarkerError();\n};\n\nKotlin.coroutineReceiver = function(qualifier) {\n
throwMarkerError();\n};\n\nKotlin.setCoroutineResult = function(value, qualifier) {\n
throwMarkerError();\n};\n\nKotlin.getReifiedTypeParameterKType = function(typeParameter) {\n
throwMarkerError();\n};\n\nfunction throwMarkerError() {\n  throw new Error(\n    \"This marker function
should never be called. \" +\n    \"Looks like compiler did not eliminate it properly. \" +\n    \"Please, report
an issue if you caught this exception.\");\n}\n\nKotlin.getFunctionById = function(id, defaultValue) {\n  return
function() {\n    return defaultValue;\n  };\n};\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n *^n\nKotlin.compareTo = function (a, b) {\n  var typeA = typeof a;\n  if
(typeA === \"number\") {\n    if (typeof b === \"number\") {\n      return Kotlin.doubleCompareTo(a, b);\n
    }\n    return Kotlin.primitiveCompareTo(a, b);\n  }\n  if (typeA === \"string\" || typeA === \"boolean\") {\n
return Kotlin.primitiveCompareTo(a, b);\n  }\n  return
a.compareTo_11rb$(b);\n};\n\nKotlin.primitiveCompareTo = function (a, b) {\n  return a < b ? -1 : a > b ? 1 :
0;\n};\n\nKotlin.doubleCompareTo = function (a, b) {\n  if (a < b) return -1;\n  if (a > b) return 1;\n\n  if (a ===
b) {\n    if (a !== 0) return 0;\n\n    var ia = 1 / a;\n    return ia === 1 / b ? 0 : (ia < 0 ? -1 : 1);\n  }\n\n
return a !== a ? (b !== b ? 0 : 1) : -1;\n};\n\nKotlin.charInc = function (value) {\n  return
Kotlin.toChar(value+1);\n};\n\nKotlin.charDec = function (value) {\n  return Kotlin.toChar(value-
1);\n};\n\nKotlin.imul = Math.imul || imul;\n\nKotlin.imulEmulated = imul;\n\nfunction imul(a, b) {\n  return ((a &
0xffff0000) * (b & 0xffff) + (a & 0xffff) * (b | 0)) | 0;\n}\n\n(function() {\n  var buf = new ArrayBuffer(8);\n  var
bufFloat64 = new Float64Array(buf);\n  var bufFloat32 = new Float32Array(buf);\n  var bufInt32 = new
Int32Array(buf);\n  var lowIndex = 0;\n  var highIndex = 1;\n\n  bufFloat64[0] = -1; // bff00000_00000000\n  if
(bufInt32[lowIndex] !== 0) {\n    lowIndex = 1;\n    highIndex = 0;\n  }\n\n  Kotlin.doubleToBits =
function(value) {\n    return Kotlin.doubleToRawBits(isNaN(value) ? NaN : value);\n  };\n\n
Kotlin.doubleToRawBits = function(value) {\n    bufFloat64[0] = value;\n    return
Kotlin.Long.fromBits(bufInt32[lowIndex], bufInt32[highIndex]);\n  };\n\n  Kotlin.doubleFromBits =
function(value) {\n    bufInt32[lowIndex] = value.low_;\n    bufInt32[highIndex] = value.high_;\n    return
bufFloat64[0];\n  };\n\n  Kotlin.floatToBits = function(value) {\n    return Kotlin.floatToRawBits(isNaN(value)
? NaN : value);\n  };\n\n  Kotlin.floatToRawBits = function(value) {\n    bufFloat32[0] = value;\n    return
bufInt32[0];\n  };\n\n  Kotlin.floatFromBits = function(value) {\n    bufInt32[0] = value;\n    return
bufFloat32[0];\n  };\n\n  // returns zero value for number with positive sign bit and non-zero value for number
with negative sign bit.\n  Kotlin.doubleSignBit = function(value) {\n    bufFloat64[0] = value;\n    return
bufInt32[highIndex] & 0x80000000;\n  };\n\n  Kotlin.numberHashCode = function(obj) {\n    if ((obj | 0) ===
obj) {\n      return obj | 0;\n    }\n    else {\n      bufFloat64[0] = obj;\n      return (bufInt32[highIndex]
* 31 | 0) + bufInt32[lowIndex] | 0;\n    }\n  };\n}\n\nKotlin.ensureNotNull = function(x) {\n  return x != null
? x : Kotlin.throwNPE();\n};\n\n/*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *^n\nif (typeof String.prototype.startsWith === \"undefined\") {\n

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Object.defineProperty(String.prototype, 'startsWith', {\n
  value: function (searchString, position) {\n
    position = position || 0;\n
    return this.lastIndexOf(searchString, position) === position;\n
  }\n
});\n\nif\n
(typeof String.prototype.endsWith === 'undefined') {\n
  Object.defineProperty(String.prototype, 'endsWith',\n
  {\n
    value: function (searchString, position) {\n
      var subjectString = this.toString();\n
      if (position\n
      === undefined || position > subjectString.length) {\n
        position = subjectString.length;\n
      }\n
      position -= searchString.length;\n
      var lastIndex = subjectString.indexOf(searchString, position);\n
      return lastIndex !== -1 && lastIndex === position;\n
    }\n
  });\n\n// ES6 Math polyfills\n\nif (typeof Math.sign\n
=== 'undefined') {\n
  Math.sign = function(x) {\n
    x = +x; // convert to a number\n
    if (x === 0 ||\n
    isNaN(x)) {\n
      return Number(x);\n
    }\n
    return x > 0 ? 1 : -1;\n
  };\n\nif (typeof Math.trunc ===\n
'undefined') {\n
  Math.trunc = function(x) {\n
    if (isNaN(x)) {\n
      return NaN;\n
    }\n
    if (x > 0)\n
    {\n
      return Math.floor(x);\n
    }\n
    return Math.ceil(x);\n
  };\n\n(function() {\n
  var epsilon =\n
  2.220446049250313E-16;\n
  var taylor_2_bound = Math.sqrt(epsilon);\n
  var taylor_n_bound =\n
  Math.sqrt(taylor_2_bound);\n
  var upper_taylor_2_bound = 1/taylor_2_bound;\n
  var upper_taylor_n_bound =\n
  1/taylor_n_bound;\n
  if (typeof Math.sinh === 'undefined') {\n
    Math.sinh = function(x) {\n
      if\n
      (Math.abs(x) < taylor_n_bound) {\n
        var result = x;\n
        if (Math.abs(x) > taylor_2_bound) {\n
          result += (x * x * x) / 6;\n
        }\n
        return result;\n
      } else {\n
        var y =\n
        Math.exp(x);\n
        var y1 = 1 / y;\n
        if (!isFinite(y)) return Math.exp(x - Math.LN2);\n
        if\n
        (!isFinite(y1)) return -Math.exp(-x - Math.LN2);\n
        return (y - y1) / 2;\n
      }\n
    };\n
  }\n
  if\n
  (typeof Math.cosh === 'undefined') {\n
    Math.cosh = function(x) {\n
      var y = Math.exp(x);\n
      var\n
      y1 = 1 / y;\n
      if (!isFinite(y) || !isFinite(y1)) return Math.exp(Math.abs(x) - Math.LN2);\n
      return (y +\n
      y1) / 2;\n
    };\n
  }\n
  if (typeof Math.tanh === 'undefined') {\n
    Math.tanh = function(x) {\n
      if\n
      (Math.abs(x) < taylor_n_bound) {\n
        var result = x;\n
        if (Math.abs(x) > taylor_2_bound) {\n
          result -= (x * x * x) / 3;\n
        }\n
        return result;\n
      }\n
      else {\n
        var a =\n
        Math.exp(+x), b = Math.exp(-x);\n
        return a === Infinity ? 1 : b === Infinity ? -1 : (a - b) / (a + b);\n
      }\n
    };\n
  }\n
  // Inverse hyperbolic function implementations derived from boost special math functions,\n
  // Copyright Eric Ford & Hubert Holin 2001.\n
  if (typeof Math.asinh === 'undefined') {\n
    var asinh =\n
    function(x) {\n
      if (x >= +taylor_n_bound)\n
      {\n
        if (x > upper_taylor_n_bound)\n
        {\n
          if (x > upper_taylor_2_bound)\n
          {\n
            // approximation by laurent series in\n
            1/x at 0+ order from -1 to 0\n
            return Math.log(x) + Math.LN2;\n
          }\n
          else\n
          {\n
            // approximation by laurent series in 1/x at 0+ order from -1 to 1\n
            return\n
            Math.log(x * 2 + (1 / (x * 2)));\n
          }\n
          else\n
          {\n
            return\n
            Math.log(x + Math.sqrt(x * x + 1));\n
          }\n
          else if (x <= -taylor_n_bound)\n
          {\n
            return\n
            -asinh(-x);\n
          }\n
          else\n
          {\n
            // approximation by taylor series in x at 0 up to\n
            order 2\n
            var result = x;\n
            if (Math.abs(x) >= taylor_2_bound)\n
            {\n
              var x3 =\n
              x * x * x;\n
              // approximation by taylor series in x at 0 up to order 4\n
              result -= x3 / 6;\n
            }\n
            return result;\n
          }\n
        };\n
        Math.asinh = asinh;\n
      }\n
      if (typeof Math.acosh ===\n
      'undefined') {\n
        Math.acosh = function(x) {\n
          if (x < 1)\n
          {\n
            return NaN;\n
          }\n
          else if (x - 1 >= taylor_n_bound)\n
          {\n
            if (x > upper_taylor_2_bound)\n
            {\n
              // approximation by laurent series in 1/x at 0+ order from -1 to 0\n
              return Math.log(x) + Math.LN2;\n
            }\n
            else\n
            {\n
              return Math.log(x + Math.sqrt(x * x - 1));\n
            }\n
          }\n
          else\n
          {\n
            var y = Math.sqrt(x - 1);\n
            // approximation by taylor series in y at 0\n
            up to order 2\n
            var result = y;\n
            if (y >= taylor_2_bound)\n
            {\n
              var y3 = y *\n
              y * y;\n
              // approximation by taylor series in y at 0 up to order 4\n
              result -= y3 / 12;\n
            }\n
            return Math.sqrt(2) * result;\n
          }\n
        };\n
      }\n
      if (typeof Math.atanh === 'undefined')\n
      {\n
        Math.atanh = function(x) {\n
          if (Math.abs(x) < taylor_n_bound) {\n
            var result = x;\n
            if (Math.abs(x) > taylor_2_bound) {\n
              result += (x * x * x) / 3;\n
            }\n
            return result;\n
          }\n
          return Math.log((1 + x) / (1 - x)) / 2;\n
        };\n
      }\n
      if (typeof Math.log1p === 'undefined') {\n
        Math.log1p = function(x) {\n
          if (Math.abs(x) < taylor_n_bound) {\n
            var x2 = x * x;\n

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var x3 = x2 * x;\n          var x4 = x3 * x;\n          // approximation by taylor series in x at 0 up to order 4\n          return (-x4 / 4 + x3 / 3 - x2 / 2 + x);\n        }\n        return Math.log(x + 1);\n      });\n    }\n    if (typeof\nMath.expm1 === \"undefined\") {\n      Math.expm1 = function(x) {\n        if (Math.abs(x) < taylor_n_bound)\n        {\n          var x2 = x * x;\n          var x3 = x2 * x;\n          var x4 = x3 * x;\n          // approximation by\n          taylor series in x at 0 up to order 4\n          return (x4 / 24 + x3 / 6 + x2 / 2 + x);\n        }\n        return\nMath.exp(x) - 1;\n      });\n    }\n  }()\n};\n\nif (typeof Math.hypot === \"undefined\") {\n  Math.hypot = function() {\n    var y = 0;\n    var length = arguments.length;\n    for (var i = 0; i < length; i++) {\n      if (arguments[i]\n=== Infinity || arguments[i] === -Infinity) {\n        return Infinity;\n      }\n      y += arguments[i] *\narguments[i];\n    }\n    return Math.sqrt(y);\n  });\n}\n\nif (typeof Math.log10 === \"undefined\") {\n  Math.log10 = function(x) {\n    return Math.log(x) * Math.LOG10E;\n  });\n}\n\nif (typeof Math.log2 ===\n\"undefined\") {\n  Math.log2 = function(x) {\n    return Math.log(x) * Math.LOG2E;\n  });\n}\n\nif (typeof\nMath.clz32 === \"undefined\") {\n  Math.clz32 = (function(log, LN2) {\n    return function(x) {\n      var\nasUint = x >>> 0;\n      if (asUint === 0) {\n        return 32;\n      }\n      return 31 - (log(asUint) /\nLN2 | 0) | 0; // the \"| 0\" acts like math.floor\n    }; \n  })(Math.log, Math.LN2);\n}\n\n// For HtmlUnit and\nPhantomJs\nif (typeof ArrayBuffer.isView === \"undefined\") {\n  ArrayBuffer.isView = function(a) {\n    return a != null && a.__proto__ != null && a.__proto__.__proto__ === Int8Array.prototype.__proto__;\n  });\n}\n\nif (typeof Array.prototype.fill === \"undefined\") {\n  // Polyfill from https://developer.mozilla.org/en-\nUS/docs/Web/JavaScript/Reference/Global_Objects/Array/fill#Polyfill\n  Object.defineProperty(Array.prototype,\n'fill', {\n    value: function (value) {\n      // Steps 1-2.\n      if (this == null) {\n        throw new\nTypeError('this is null or not defined');\n      }\n      var O = Object(this);\n      // Steps 3-5.\n      var len = O.length >>> 0;\n      // Steps 6-7.\n      var start = arguments[1];\n      var relativeStart = start\n>> 0;\n      // Step 8.\n      var k = relativeStart < 0 ?\nMath.max(len + relativeStart, 0) :\nMath.min(relativeStart, len);\n      // Steps 9-10.\n      var end = arguments[2];\n      var\nrelativeEnd = end === undefined ?\nlen : end >> 0;\n      // Step 11.\n      var finalValue\n= relativeEnd < 0 ?\nMath.max(len + relativeEnd, 0) :\nMath.min(relativeEnd,\nlen);\n      // Step 12.\n      while (k < finalValue) {\n        O[k] = value;\n        k++;\n      }\n      // Step 13.\n      return O;\n    }; \n  });\n}\n\n(function() {\n  function normalizeOffset(offset, length)\n{\n    if (offset < 0) return Math.max(0, offset + length);\n    return Math.min(offset, length);\n  }\n  function\ntypedArraySlice(begin, end) {\n    if (typeof end === \"undefined\") {\n      end = this.length;\n    }\n    begin = normalizeOffset(begin || 0, this.length);\n    end = Math.max(begin, normalizeOffset(end, this.length));\n    return new this.constructor(this.subarray(begin, end));\n  }\n  var arrays = [Int8Array, Int16Array,\nUint16Array, Int32Array, Float32Array, Float64Array];\n  for (var i = 0; i < arrays.length; ++i) {\n    var\nTypedArray = arrays[i];\n    if (typeof TypedArray.prototype.fill === \"undefined\") {\n      Object.defineProperty(TypedArray.prototype, 'fill', {\n        value: Array.prototype.fill\n      });\n    }\n    if (typeof TypedArray.prototype.slice === \"undefined\") {\n      Object.defineProperty(TypedArray.prototype,\n'slice', {\n        value: typedArraySlice\n      });\n    }\n  }\n  // Patch apply to work with TypedArrays\nif needed.\n  try {\n    (function() {}).apply(null, new Int32Array(0))\n  } catch (e) {\n    var apply =\nFunction.prototype.apply;\n    Object.defineProperty(Function.prototype, 'apply', {\n      value: function(self,\narray) {\n        return apply.call(this, self, [].slice.call(array));\n      }\n    });\n  }\n  // Patch map to\nwork with TypedArrays if needed.\n  for (var i = 0; i < arrays.length; ++i) {\n    var TypedArray = arrays[i];\n    if (typeof TypedArray.prototype.map === \"undefined\") {\n      Object.defineProperty(TypedArray.prototype,\n'map', {\n        value: function(callback, self) {\n          return [].slice.call(this).map(callback, self);\n        }\n      });\n    }\n  }\n  // Patch sort to work with TypedArrays if needed.\n  // TODO: consider to\nremove following function and replace it with `Kotlin.doubleCompareTo` (see misc.js)\n  var\ntotalOrderComparator = function (a, b) {\n    if (a < b) return -1;\n    if (a > b) return 1;\n    if (a === b) {\n      if (a !== 0) return 0;\n      var ia = 1 / a;\n      return ia === 1 / b ? 0 : (ia < 0 ? -1 : 1);\n    }\n    return a !== a ? (b !== b ? 0 : 1) : -1;\n  };\n  for (var i = 0; i < arrays.length; ++i) {\n    var TypedArray =\narrays[i];\n    if (typeof TypedArray.prototype.sort === \"undefined\") {\n
```



```

array\n}\n\n@JsName("booleanArray")\nfun booleanArray(size: Int, init: dynamic): Array<Boolean> {\n    val
result: dynamic = Array<Boolean>(size)\n    result.`$type$` = "BooleanArray"\n    return when (init) {\n        null,
true -> fillArrayVal(result, false)\n        false -> result\n        else -> fillArrayFun<Boolean>(result, init)\n
}\n}\n\n@JsName("booleanArrayF")\ninline fun booleanArrayWithFun(size: Int, init: (Int) -> Boolean):
Array<Boolean> = fillArrayFun(booleanArray(size, false),
init)\n\n@JsName("charArray")\n@Suppress("UNUSED_PARAMETER")\nfun charArray(size: Int, init:
dynamic): Array<Char> {\n    val result = js("new Uint16Array(size)")\n    result.`$type$` = "CharArray"\n
return when (init) {\n        null, true, false -> result // For consistency\n        else -> fillArrayFun<Char>(result,
init)\n    }\n}\n\n@JsName("charArrayF")\ninline fun charArrayWithFun(size: Int, init: (Int) -> Char):
Array<Char> {\n    val array = charArray(size, null)\n    for (i in 0..array.size - 1) {\n
@Suppress("UNUSED_VARIABLE") // used in js block\n        val value = init(i)\n        js("array[i] = value;")\n
}\n    return array\n}\n\n@JsName("untypedCharArrayF")\ninline fun untypedCharArrayWithFun(size: Int, init:
(Int) -> Char): Array<Char> {\n    val array = Array<Char>(size)\n    for (i in 0..array.size - 1) {\n
@Suppress("UNUSED_VARIABLE") // used in js block\n        val value = init(i)\n        js("array[i] = value;")\n
}\n    return array\n}\n\n@JsName("longArray")\nfun longArray(size: Int, init: dynamic): Array<Long> {\n    val
result: dynamic = Array<Long>(size)\n    result.`$type$` = "LongArray"\n    return when (init) {\n        null, true ->
fillArrayVal(result, 0L)\n        false -> result\n        else -> fillArrayFun<Long>(result, init)\n
}\n}\n\n@JsName("longArrayF")\ninline fun longArrayWithFun(size: Int, init: (Int) -> Long): Array<Long> =
fillArrayFun(longArray(size, false), init)\n\nprivate fun <T> fillArrayVal(array: Array<T>, initialValue: T): Array<T>
{\n    for (i in 0..array.size - 1) {\n        array[i] = initialValue\n    }\n    return array\n}", "/*\n * Copyright 2010-2018
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin\n\npublic class
Enum<T : Enum<T>> : Comparable<Enum<T>> {\n    @JsName("name$") private var _name: String = ""\n    @JsName("ordinal$") private var _ordinal: Int = 0\n    val name: String\n        get() = _name\n    val ordinal:
Int\n        get() = _ordinal\n\n    override fun compareTo(other: Enum<T>) = ordinal.compareTo(other.ordinal)\n\n
override fun equals(other: Any?) = this === other\n\n    override fun hashCode(): Int =
js("Kotlin.identityHashCode")(this)\n\n    override fun toString() = name\n\n    companion object\n}", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage
kotlin.js.internal\n\n@JsName("DoubleCompanionObject")\ninternal object DoubleCompanionObject {\n
@JsName("MIN_VALUE")\n    const val MIN_VALUE: Double = 4.9E-324\n\n    @JsName("MAX_VALUE")\n    const val MAX_VALUE: Double = 1.7976931348623157E308\n\n
@JsName("POSITIVE_INFINITY")\n    @Suppress("DIVISION_BY_ZERO")\n    const val
POSITIVE_INFINITY: Double = 1.0 / 0.0\n\n    @JsName("NEGATIVE_INFINITY")\n
@Suppress("DIVISION_BY_ZERO")\n    const val NEGATIVE_INFINITY: Double = -1.0 / 0.0\n\n
@JsName("NaN")\n    @Suppress("DIVISION_BY_ZERO")\n    const val NaN: Double = -(0.0 / 0.0)\n\n
@JsName("SIZE_BYTES")\n    const val SIZE_BYTES = 8\n\n    @JsName("SIZE_BITS")\n    const val
SIZE_BITS = 64\n}\n\n@JsName("FloatCompanionObject")\ninternal object FloatCompanionObject {\n
@JsName("MIN_VALUE")\n    const val MIN_VALUE: Float = 1.4E-45F\n\n    @JsName("MAX_VALUE")\n
const val MAX_VALUE: Float = 3.4028235E38F\n\n    @JsName("POSITIVE_INFINITY")\n
@Suppress("DIVISION_BY_ZERO")\n    const val POSITIVE_INFINITY: Float = 1.0F / 0.0F\n\n
@JsName("NEGATIVE_INFINITY")\n    @Suppress("DIVISION_BY_ZERO")\n    const val
NEGATIVE_INFINITY: Float = -1.0F / 0.0F\n\n    @JsName("NaN")\n
@Suppress("DIVISION_BY_ZERO")\n    const val NaN: Float = -(0.0F / 0.0F)\n\n
@JsName("SIZE_BYTES")\n    const val SIZE_BYTES = 4\n\n    @JsName("SIZE_BITS")\n    const val
SIZE_BITS = 32\n}\n\n@JsName("IntCompanionObject")\ninternal object IntCompanionObject {\n
@JsName("MIN_VALUE")\n    val MIN_VALUE: Int = -2147483647 - 1\n\n    @JsName("MAX_VALUE")\n
val MAX_VALUE: Int = 2147483647\n\n    @JsName("SIZE_BYTES")\n    const val SIZE_BYTES = 4\n\n

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@JsName("SIZE_BITS")\n  const val SIZE_BITS = 32\n}\n\n@JsName("LongCompanionObject")\ninternal
object LongCompanionObject {\n  @JsName("MIN_VALUE")\n  val MIN_VALUE: Long =
js("Kotlin.Long.MIN_VALUE")\n\n  @JsName("MAX_VALUE")\n  val MAX_VALUE: Long =
js("Kotlin.Long.MAX_VALUE")\n\n  @JsName("SIZE_BYTES")\n  const val SIZE_BYTES = 8\n\n
@JsName("SIZE_BITS")\n  const val SIZE_BITS = 64\n}\n\n@JsName("ShortCompanionObject")\ninternal
object ShortCompanionObject {\n  @JsName("MIN_VALUE")\n  val MIN_VALUE: Short = -32768\n\n
@JsName("MAX_VALUE")\n  val MAX_VALUE: Short = 32767\n\n  @JsName("SIZE_BYTES")\n  const
val SIZE_BYTES = 2\n\n  @JsName("SIZE_BITS")\n  const val SIZE_BITS =
16\n}\n\n@JsName("ByteCompanionObject")\ninternal  object ByteCompanionObject {\n
@JsName("MIN_VALUE")\n  val MIN_VALUE: Byte = -128\n\n  @JsName("MAX_VALUE")\n  val
MAX_VALUE: Byte = 127\n\n  @JsName("SIZE_BYTES")\n  const val SIZE_BYTES = 1\n\n
@JsName("SIZE_BITS")\n  const val SIZE_BITS = 8\n}\n\n@JsName("CharCompanionObject")\ninternal
object CharCompanionObject {\n  @JsName("MIN_VALUE")\n  public const val MIN_VALUE: Char =
"\u0000"\n\n  @JsName("MAX_VALUE")\n  public const val MAX_VALUE: Char = "\uFFFF"\n\n
@JsName("MIN_HIGH_SURROGATE")\n  public const val MIN_HIGH_SURROGATE: Char = "\uD800"\n\n
@JsName("MAX_HIGH_SURROGATE")\n  public const val MAX_HIGH_SURROGATE: Char =
"\uDBFF"\n\n  @JsName("MIN_LOW_SURROGATE")\n  public const val MIN_LOW_SURROGATE: Char =
"\uDC00"\n\n  @JsName("MAX_LOW_SURROGATE")\n  public const val MAX_LOW_SURROGATE: Char
= "\uDFFF"\n\n  @JsName("MIN_SURROGATE")\n  public const val MIN_SURROGATE: Char =
MIN_HIGH_SURROGATE\n\n  @JsName("MAX_SURROGATE")\n  public const val MAX_SURROGATE:
Char = MAX_LOW_SURROGATE\n\n  @JsName("SIZE_BYTES")\n  const val SIZE_BYTES = 2\n\n
@JsName("SIZE_BITS")\n  const val SIZE_BITS = 16\n}\n\ninternal object StringCompanionObject
{\n}\n\ninternal  object BooleanCompanionObject {\n}\n\n", /*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("ArraysKt")\n\npackage
kotlin.collections\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\nimport
kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Returns 1st *element* from the array.\n * \n * If the
size of this array is less than 1, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n * where the behavior
is unspecified.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> Array<out T>.component1(): T
{\n  return get(0)\n}\n\n/**\n * Returns 1st *element* from the array.\n * \n * If the size of this array is less than 1,
throws an [IndexOutOfBoundsException] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun ByteArray.component1(): Byte {\n  return
get(0)\n}\n\n/**\n * Returns 1st *element* from the array.\n * \n * If the size of this array is less than 1, throws an
[IndexOutOfBoundsException] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun ShortArray.component1(): Short {\n  return
get(0)\n}\n\n/**\n * Returns 1st *element* from the array.\n * \n * If the size of this array is less than 1, throws an
[IndexOutOfBoundsException] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun IntArray.component1(): Int {\n  return
get(0)\n}\n\n/**\n * Returns 1st *element* from the array.\n * \n * If the size of this array is less than 1, throws an
[IndexOutOfBoundsException] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun LongArray.component1(): Long {\n  return
get(0)\n}\n\n/**\n * Returns 1st *element* from the array.\n * \n * If the size of this array is less than 1, throws an
[IndexOutOfBoundsException] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun FloatArray.component1(): Float {\n  return
get(0)\n}\n\n/**\n * Returns 1st *element* from the array.\n * \n * If the size of this array is less than 1, throws an
[IndexOutOfBoundsException] except in Kotlin/JS\n * where the behavior is unspecified.\n

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*^@kotlin.internal.InlineOnly\npublic inline operator fun DoubleArray.component1(): Double {\n  return
get(0)\n}\n\n**\n * Returns 1st *element* from the array.\n * \n * If the size of this array is less than 1, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun BooleanArray.component1(): Boolean {\n  return
get(0)\n}\n\n**\n * Returns 1st *element* from the array.\n * \n * If the size of this array is less than 1, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun CharArray.component1(): Char {\n  return
get(0)\n}\n\n**\n * Returns 2nd *element* from the array.\n * \n * If the size of this array is less than 2, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun <T> Array<out T>.component2(): T {\n  return
get(1)\n}\n\n**\n * Returns 2nd *element* from the array.\n * \n * If the size of this array is less than 2, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun ByteArray.component2(): Byte {\n  return
get(1)\n}\n\n**\n * Returns 2nd *element* from the array.\n * \n * If the size of this array is less than 2, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun ShortArray.component2(): Short {\n  return
get(1)\n}\n\n**\n * Returns 2nd *element* from the array.\n * \n * If the size of this array is less than 2, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun IntArray.component2(): Int {\n  return
get(1)\n}\n\n**\n * Returns 2nd *element* from the array.\n * \n * If the size of this array is less than 2, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun LongArray.component2(): Long {\n  return
get(1)\n}\n\n**\n * Returns 2nd *element* from the array.\n * \n * If the size of this array is less than 2, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun FloatArray.component2(): Float {\n  return
get(1)\n}\n\n**\n * Returns 2nd *element* from the array.\n * \n * If the size of this array is less than 2, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun DoubleArray.component2(): Double {\n  return
get(1)\n}\n\n**\n * Returns 2nd *element* from the array.\n * \n * If the size of this array is less than 2, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun BooleanArray.component2(): Boolean {\n  return
get(1)\n}\n\n**\n * Returns 2nd *element* from the array.\n * \n * If the size of this array is less than 2, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun CharArray.component2(): Char {\n  return
get(1)\n}\n\n**\n * Returns 3rd *element* from the array.\n * \n * If the size of this array is less than 3, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun <T> Array<out T>.component3(): T {\n  return
get(2)\n}\n\n**\n * Returns 3rd *element* from the array.\n * \n * If the size of this array is less than 3, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun ByteArray.component3(): Byte {\n  return
get(2)\n}\n\n**\n * Returns 3rd *element* from the array.\n * \n * If the size of this array is less than 3, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun ShortArray.component3(): Short {\n  return
get(2)\n}\n\n**\n * Returns 3rd *element* from the array.\n * \n * If the size of this array is less than 3, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*^@kotlin.internal.InlineOnly\npublic inline operator fun IntArray.component3(): Int {\n  return
get(2)\n}\n\n**\n * Returns 3rd *element* from the array.\n * \n * If the size of this array is less than 3, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n

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*\n@kotlin.internal.InlineOnly\npublic inline operator fun LongArray.component3(): Long {\n    return
get(2)\n}\n\n/**\n * Returns 3rd *element* from the array.\n * \n * If the size of this array is less than 3, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun FloatArray.component3(): Float {\n    return
get(2)\n}\n\n/**\n * Returns 3rd *element* from the array.\n * \n * If the size of this array is less than 3, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun DoubleArray.component3(): Double {\n    return
get(2)\n}\n\n/**\n * Returns 3rd *element* from the array.\n * \n * If the size of this array is less than 3, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun BooleanArray.component3(): Boolean {\n    return
get(2)\n}\n\n/**\n * Returns 3rd *element* from the array.\n * \n * If the size of this array is less than 3, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun CharArray.component3(): Char {\n    return
get(2)\n}\n\n/**\n * Returns 4th *element* from the array.\n * \n * If the size of this array is less than 4, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> Array<out T>.component4(): T {\n    return
get(3)\n}\n\n/**\n * Returns 4th *element* from the array.\n * \n * If the size of this array is less than 4, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun ByteArray.component4(): Byte {\n    return
get(3)\n}\n\n/**\n * Returns 4th *element* from the array.\n * \n * If the size of this array is less than 4, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun ShortArray.component4(): Short {\n    return
get(3)\n}\n\n/**\n * Returns 4th *element* from the array.\n * \n * If the size of this array is less than 4, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun IntArray.component4(): Int {\n    return
get(3)\n}\n\n/**\n * Returns 4th *element* from the array.\n * \n * If the size of this array is less than 4, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun LongArray.component4(): Long {\n    return
get(3)\n}\n\n/**\n * Returns 4th *element* from the array.\n * \n * If the size of this array is less than 4, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun FloatArray.component4(): Float {\n    return
get(3)\n}\n\n/**\n * Returns 4th *element* from the array.\n * \n * If the size of this array is less than 4, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun DoubleArray.component4(): Double {\n    return
get(3)\n}\n\n/**\n * Returns 4th *element* from the array.\n * \n * If the size of this array is less than 4, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun BooleanArray.component4(): Boolean {\n    return
get(3)\n}\n\n/**\n * Returns 4th *element* from the array.\n * \n * If the size of this array is less than 4, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun CharArray.component4(): Char {\n    return
get(3)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n * If the size of this array is less than 5, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> Array<out T>.component5(): T {\n    return
get(4)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n * If the size of this array is less than 5, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun ByteArray.component5(): Byte {\n    return
get(4)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n * If the size of this array is less than 5, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n

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*\/n@kotlin.internal.InlineOnly\npublic inline operator fun ShortArray.component5(): Short {\n  return
get(4)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n * If the size of this array is less than 5, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\/n@kotlin.internal.InlineOnly\npublic inline operator fun IntArray.component5(): Int {\n  return
get(4)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n * If the size of this array is less than 5, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\/n@kotlin.internal.InlineOnly\npublic inline operator fun LongArray.component5(): Long {\n  return
get(4)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n * If the size of this array is less than 5, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\/n@kotlin.internal.InlineOnly\npublic inline operator fun FloatArray.component5(): Float {\n  return
get(4)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n * If the size of this array is less than 5, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\/n@kotlin.internal.InlineOnly\npublic inline operator fun DoubleArray.component5(): Double {\n  return
get(4)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n * If the size of this array is less than 5, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\/n@kotlin.internal.InlineOnly\npublic inline operator fun BooleanArray.component5(): Boolean {\n  return
get(4)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n * If the size of this array is less than 5, throws an
[IndexOutOfBoundsExcep] except in Kotlin/JS\n * where the behavior is unspecified.\n
*\/n@kotlin.internal.InlineOnly\npublic inline operator fun CharArray.component5(): Char {\n  return
get(4)\n}\n\n/**\n * Returns `true` if [element] is found in the array.\n *\/n\npublic operator fun
<@kotlin.internal.OnlyInputTypes T> Array<out T>.contains(element: T): Boolean {\n  return indexOf(element)
>= 0\n}\n\n/**\n * Returns `true` if [element] is found in the array.\n *\/n\npublic operator fun
ByteArray.contains(element: Byte): Boolean {\n  return indexOf(element) >= 0\n}\n\n/**\n * Returns `true` if
[element] is found in the array.\n *\/n\npublic operator fun ShortArray.contains(element: Short): Boolean {\n  return
indexOf(element) >= 0\n}\n\n/**\n * Returns `true` if [element] is found in the array.\n *\/n\npublic operator fun
IntArray.contains(element: Int): Boolean {\n  return indexOf(element) >= 0\n}\n\n/**\n * Returns `true` if
[element] is found in the array.\n *\/n\npublic operator fun LongArray.contains(element: Long): Boolean {\n  return
indexOf(element) >= 0\n}\n\n/**\n * Returns `true` if [element] is found in the array.\n *\/n\n@Deprecated("The
function has unclear behavior when searching for NaN or zero values and will be removed soon. Use 'any { it ==
element }' instead to continue using this behavior, or '.asList().contains(element: T)' to get the same search behavior
as in a list.", ReplaceWith("any { it == element }"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.6")\n@Suppress("DEPRECATION_ERROR")\npublic operator fun FloatArray.contains(element: Float):
Boolean {\n  return indexOf(element) >= 0\n}\n\n/**\n * Returns `true` if [element] is found in the array.\n
*\/n\n@Deprecated("The function has unclear behavior when searching for NaN or zero values and will be removed
soon. Use 'any { it == element }' instead to continue using this behavior, or '.asList().contains(element: T)' to get the
same search behavior as in a list.", ReplaceWith("any { it == element
}"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.6")\n@Suppress("DEPRECATION_ERROR")\npublic operator fun DoubleArray.contains(element: Double):
Boolean {\n  return indexOf(element) >= 0\n}\n\n/**\n * Returns `true` if [element] is found in the array.\n
*\/n\npublic operator fun BooleanArray.contains(element: Boolean): Boolean {\n  return indexOf(element) >=
0\n}\n\n/**\n * Returns `true` if [element] is found in the array.\n *\/n\npublic operator fun
CharArray.contains(element: Char): Boolean {\n  return indexOf(element) >= 0\n}\n\n/**\n * Returns an element
at the given [index] or throws an [IndexOutOfBoundsExcep] if the [index] is out of bounds of this array.\n * \n *
*\/n\n * @sample samples.collections.Collections.Elements.elementAt\n *\/n\npublic expect fun <T> Array<out
T>.elementAt(index: Int): T\n\n/**\n * Returns an element at the given [index] or throws an
[IndexOutOfBoundsExcep] if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAt\n *\/n\npublic expect fun ByteArray.elementAt(index: Int):
Byte\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsExcep] if the [index] is

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out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAt\n \* \n\npublic expect fun ShortArray.elementAt(index: Int): Short\n\n/\*\*\n \* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAt\n \* \n\npublic expect fun IntArray.elementAt(index: Int): Int\n\n/\*\*\n \* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAt\n \* \n\npublic expect fun LongArray.elementAt(index: Int): Long\n\n/\*\*\n \* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAt\n \* \n\npublic expect fun FloatArray.elementAt(index: Int): Float\n\n/\*\*\n \* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAt\n \* \n\npublic expect fun DoubleArray.elementAt(index: Int): Double\n\n/\*\*\n \* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAt\n \* \n\npublic expect fun BooleanArray.elementAt(index: Int): Boolean\n\n/\*\*\n \* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAt\n \* \n\npublic expect fun CharArray.elementAt(index: Int): Char\n\n/\*\*\n \* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAtOrElse\n \* \n\n@kotlin.internal.InlineOnly\n\npublic inline fun <T> Array<out T>.elementAtOrElse(index: Int, defaultValue: (Int) -> T): T {\n return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/\*\*\n \* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAtOrElse\n \* \n\n@kotlin.internal.InlineOnly\n\npublic inline fun ByteArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Byte): Byte {\n return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/\*\*\n \* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAtOrElse\n \* \n\n@kotlin.internal.InlineOnly\n\npublic inline fun ShortArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Short): Short {\n return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/\*\*\n \* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAtOrElse\n \* \n\n@kotlin.internal.InlineOnly\n\npublic inline fun IntArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Int): Int {\n return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/\*\*\n \* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAtOrElse\n \* \n\n@kotlin.internal.InlineOnly\n\npublic inline fun LongArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Long): Long {\n return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/\*\*\n \* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAtOrElse\n \* \n\n@kotlin.internal.InlineOnly\n\npublic inline fun FloatArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Float): Float {\n return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/\*\*\n \* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAtOrElse\n \* \n\n@kotlin.internal.InlineOnly\n\npublic inline fun DoubleArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Double): Double {\n return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/\*\*\n \* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n \* \n \* @sample samples.collections.Collections.Elements.elementAtOrElse\n \* \n\n@kotlin.internal.InlineOnly\n\npublic inline fun BooleanArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Boolean): Boolean {\n return if (index >= 0 &&

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index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the
result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrElse\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
CharArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Char): Char {\n    return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or `null` if the
[index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
<T> Array<out T>.elementAtOrNull(index: Int): T? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns an
element at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
ByteArray.elementAtOrNull(index: Int): Byte? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns an element
at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
ShortArray.elementAtOrNull(index: Int): Short? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns an element
at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
IntArray.elementAtOrNull(index: Int): Int? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns an element at
the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
LongArray.elementAtOrNull(index: Int): Long? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns an element
at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
FloatArray.elementAtOrNull(index: Int): Float? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns an element
at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
DoubleArray.elementAtOrNull(index: Int): Double? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns an
element at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
BooleanArray.elementAtOrNull(index: Int): Boolean? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns an
element at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
CharArray.elementAtOrNull(index: Int): Char? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns the first
element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n *^\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out
T>.find(predicate: (T) -> Boolean): T? {\n    return firstOrNull(predicate)\n}\n\n/**\n * Returns the first element
matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
ByteArray.find(predicate: (Byte) -> Boolean): Byte? {\n    return firstOrNull(predicate)\n}\n\n/**\n * Returns the
first element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
ShortArray.find(predicate: (Short) -> Boolean): Short? {\n    return firstOrNull(predicate)\n}\n\n/**\n * Returns the
first element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
IntArray.find(predicate: (Int) -> Boolean): Int? {\n    return firstOrNull(predicate)\n}\n\n/**\n * Returns the first
element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
LongArray.find(predicate: (Long) -> Boolean): Long? {\n    return firstOrNull(predicate)\n}\n\n/**\n * Returns the
first element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample

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samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
FloatArray.find(predicate: (Float) -> Boolean): Float? {\n    return firstOrNull(predicate)\n}\n\n/**\n * Returns the
first element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
DoubleArray.find(predicate: (Double) -> Boolean): Double? {\n    return firstOrNull(predicate)\n}\n\n/**\n *
Returns the first element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
BooleanArray.find(predicate: (Boolean) -> Boolean): Boolean? {\n    return firstOrNull(predicate)\n}\n\n/**\n *
Returns the first element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
CharArray.find(predicate: (Char) -> Boolean): Char? {\n    return firstOrNull(predicate)\n}\n\n/**\n * Returns the
last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out
T>.findLast(predicate: (T) -> Boolean): T? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns the last element
matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
ByteArray.findLast(predicate: (Byte) -> Boolean): Byte? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns
the last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
ShortArray.findLast(predicate: (Short) -> Boolean): Short? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns
the last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
IntArray.findLast(predicate: (Int) -> Boolean): Int? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns the last
element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
LongArray.findLast(predicate: (Long) -> Boolean): Long? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns
the last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
FloatArray.findLast(predicate: (Float) -> Boolean): Float? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns
the last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
DoubleArray.findLast(predicate: (Double) -> Boolean): Double? {\n    return lastOrNull(predicate)\n}\n\n/**\n *
Returns the last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
BooleanArray.findLast(predicate: (Boolean) -> Boolean): Boolean? {\n    return lastOrNull(predicate)\n}\n\n/**\n *
Returns the last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n */\n@kotlin.internal.InlineOnly\npublic inline fun
CharArray.findLast(predicate: (Char) -> Boolean): Char? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns
first element.\n * @throws [NoSuchElementException] if the array is empty.\n */\n\npublic fun <T> Array<out
T>.first(): T {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
this[0]\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException] if the array is empty.\n */\n\npublic fun ByteArray.first(): Byte {\n    if (isEmpty())\n        throw NoSuchElementException("Array is
empty.")\n    return this[0]\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException] if the
array is empty.\n */\n\npublic fun ShortArray.first(): Short {\n    if (isEmpty())\n        throw
NoSuchElementException("Array is empty.")\n    return this[0]\n}\n\n/**\n * Returns first element.\n * @throws
[NoSuchElementException] if the array is empty.\n */\n\npublic fun IntArray.first(): Int {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return this[0]\n}\n\n/**\n * Returns first element.\n *
@throws [NoSuchElementException] if the array is empty.\n */\n\npublic fun LongArray.first(): Long {\n    if

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(isEmpty())\n    throw NoSuchElementException("Array is empty.")\n    return this[0]\n}\n\n/**\n * Returns first
element.\n * @throws [NoSuchElementException] if the array is empty.\n */\npublic fun FloatArray.first(): Float
{\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return this[0]\n}\n\n/**\n *
Returns first element.\n * @throws [NoSuchElementException] if the array is empty.\n */\npublic fun
DoubleArray.first(): Double {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n
return this[0]\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException] if the array is empty.\n
*/\npublic fun BooleanArray.first(): Boolean {\n    if (isEmpty())\n        throw NoSuchElementException("Array is
empty.")\n    return this[0]\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException] if the
array is empty.\n */\npublic fun CharArray.first(): Char {\n    if (isEmpty())\n        throw
NoSuchElementException("Array is empty.")\n    return this[0]\n}\n\n/**\n * Returns the first element matching
the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n */\npublic inline fun
<T> Array<out T>.first(predicate: (T) -> Boolean): T {\n    for (element in this) if (predicate(element)) return
element\n    throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n *
Returns the first element matching the given [predicate].\n * @throws [NoSuchElementException] if no such
element is found.\n */\npublic inline fun ByteArray.first(predicate: (Byte) -> Boolean): Byte {\n    for (element in
this) if (predicate(element)) return element\n    throw NoSuchElementException("Array contains no element
matching the predicate.")\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun ShortArray.first(predicate: (Short) -
> Boolean): Short {\n    for (element in this) if (predicate(element)) return element\n    throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first
element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n
*/\npublic inline fun IntArray.first(predicate: (Int) -> Boolean): Int {\n    for (element in this) if (predicate(element))
return element\n    throw NoSuchElementException("Array contains no element matching the
predicate.")\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun LongArray.first(predicate: (Long) -
> Boolean): Long {\n    for (element in this) if (predicate(element)) return element\n    throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first
element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n
*/\npublic inline fun FloatArray.first(predicate: (Float) -> Boolean): Float {\n    for (element in this) if
(predicate(element)) return element\n    throw NoSuchElementException("Array contains no element matching the
predicate.")\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun DoubleArray.first(predicate:
(Double) -> Boolean): Double {\n    for (element in this) if (predicate(element)) return element\n    throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first
element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n
*/\npublic inline fun BooleanArray.first(predicate: (Boolean) -> Boolean): Boolean {\n    for (element in this) if
(predicate(element)) return element\n    throw NoSuchElementException("Array contains no element matching the
predicate.")\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun CharArray.first(predicate: (Char) ->
Boolean): Char {\n    for (element in this) if (predicate(element)) return element\n    throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first
non-null value produced by [transform] function being applied to elements of this array in iteration order.\n * or
throws [NoSuchElementException] if no non-null value was produced.\n * \n * @sample
samples.collections.Collections.Transformations.firstNotNullOf\n
*/\n\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun <T, R : Any> Array<out
T>.firstNotNullOf(transform: (T) -> R?): R {\n    return firstNotNullOfOrNull(transform) ?: throw
NoSuchElementException("No element of the array was transformed to a non-null value.")\n}\n\n/**\n * Returns
the first non-null value produced by [transform] function being applied to elements of this array in iteration order,\n

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* or `null` if no non-null value was produced.\n * \n * @sample
samples.collections.Collections.Transformations.firstNotNullOf\n
*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun <T, R : Any> Array<out
T>.firstNotNullOfOrNull(transform: (T) -> R?): R? {\n    for (element in this) {\n        val result =
transform(element)\n        if (result != null) {\n            return result\n        }\n    }\n    return null\n}\n\n*\n *
Returns the first element, or `null` if the array is empty.\n *\npublic fun <T> Array<out T>.firstOrNull(): T? {\n
return if (isEmpty()) null else this[0]\n}\n\n*\n * Returns the first element, or `null` if the array is empty.\n
*\npublic fun ByteArray.firstOrNull(): Byte? {\n    return if (isEmpty()) null else this[0]\n}\n\n*\n * Returns the
first element, or `null` if the array is empty.\n *\npublic fun ShortArray.firstOrNull(): Short? {\n    return if
(isEmpty()) null else this[0]\n}\n\n*\n * Returns the first element, or `null` if the array is empty.\n *\npublic fun
IntArray.firstOrNull(): Int? {\n    return if (isEmpty()) null else this[0]\n}\n\n*\n * Returns the first element, or
`null` if the array is empty.\n *\npublic fun LongArray.firstOrNull(): Long? {\n    return if (isEmpty()) null else
this[0]\n}\n\n*\n * Returns the first element, or `null` if the array is empty.\n *\npublic fun
FloatArray.firstOrNull(): Float? {\n    return if (isEmpty()) null else this[0]\n}\n\n*\n * Returns the first element,
or `null` if the array is empty.\n *\npublic fun DoubleArray.firstOrNull(): Double? {\n    return if (isEmpty()) null
else this[0]\n}\n\n*\n * Returns the first element, or `null` if the array is empty.\n *\npublic fun
BooleanArray.firstOrNull(): Boolean? {\n    return if (isEmpty()) null else this[0]\n}\n\n*\n * Returns the first
element, or `null` if the array is empty.\n *\npublic fun CharArray.firstOrNull(): Char? {\n    return if (isEmpty())
null else this[0]\n}\n\n*\n * Returns the first element matching the given [predicate], or `null` if element was not
found.\n *\npublic inline fun <T> Array<out T>.firstOrNull(predicate: (T) -> Boolean): T? {\n    for (element in
this) if (predicate(element)) return element\n    return null\n}\n\n*\n * Returns the first element matching the given
[predicate], or `null` if element was not found.\n *\npublic inline fun ByteArray.firstOrNull(predicate: (Byte) ->
Boolean): Byte? {\n    for (element in this) if (predicate(element)) return element\n    return null\n}\n\n*\n *
Returns the first element matching the given [predicate], or `null` if element was not found.\n *\npublic inline fun
ShortArray.firstOrNull(predicate: (Short) -> Boolean): Short? {\n    for (element in this) if (predicate(element))
return element\n    return null\n}\n\n*\n * Returns the first element matching the given [predicate], or `null` if
element was not found.\n *\npublic inline fun IntArray.firstOrNull(predicate: (Int) -> Boolean): Int? {\n    for
(element in this) if (predicate(element)) return element\n    return null\n}\n\n*\n * Returns the first element
matching the given [predicate], or `null` if element was not found.\n *\npublic inline fun
LongArray.firstOrNull(predicate: (Long) -> Boolean): Long? {\n    for (element in this) if (predicate(element))
return element\n    return null\n}\n\n*\n * Returns the first element matching the given [predicate], or `null` if
element was not found.\n *\npublic inline fun FloatArray.firstOrNull(predicate: (Float) -> Boolean): Float? {\n
for (element in this) if (predicate(element)) return element\n    return null\n}\n\n*\n * Returns the first element
matching the given [predicate], or `null` if element was not found.\n *\npublic inline fun
DoubleArray.firstOrNull(predicate: (Double) -> Boolean): Double? {\n    for (element in this) if
(predicate(element)) return element\n    return null\n}\n\n*\n * Returns the first element matching the given
[predicate], or `null` if element was not found.\n *\npublic inline fun BooleanArray.firstOrNull(predicate:
(Boolean) -> Boolean): Boolean? {\n    for (element in this) if (predicate(element)) return element\n    return
null\n}\n\n*\n * Returns the first element matching the given [predicate], or `null` if element was not found.\n
*\npublic inline fun CharArray.firstOrNull(predicate: (Char) -> Boolean): Char? {\n    for (element in this) if
(predicate(element)) return element\n    return null\n}\n\n*\n * Returns an element at the given [index] or the
result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.getOrNull(index: Int, defaultValue: (Int) ->
T): T? {\n    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n*\n * Returns
an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of
this array.\n *\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.getOrNull(index: Int, defaultValue: (Int) -
> Byte): Byte? {\n    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n*\n *
Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of

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bounds of this array.\n *^@kotlin.internal.InlineOnly\npublic inline fun ShortArray.getOrElse(index: Int,
defaultValue: (Int) -> Short): Short {\n  return if (index >= 0 && index <= lastIndex) get(index) else
defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue]
function if the [index] is out of bounds of this array.\n *^@kotlin.internal.InlineOnly\npublic inline fun
IntArray.getOrElse(index: Int, defaultValue: (Int) -> Int): Int {\n  return if (index >= 0 && index <= lastIndex)
get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the
[defaultValue] function if the [index] is out of bounds of this array.\n *^@kotlin.internal.InlineOnly\npublic inline
fun LongArray.getOrElse(index: Int, defaultValue: (Int) -> Long): Long {\n  return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of
calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*^@kotlin.internal.InlineOnly\npublic inline fun FloatArray.getOrElse(index: Int, defaultValue: (Int) -> Float):
Float {\n  return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns
an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of
this array.\n *^@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.getOrElse(index: Int, defaultValue:
(Int) -> Double): Double {\n  return if (index >= 0 && index <= lastIndex) get(index) else
defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue]
function if the [index] is out of bounds of this array.\n *^@kotlin.internal.InlineOnly\npublic inline fun
BooleanArray.getOrElse(index: Int, defaultValue: (Int) -> Boolean): Boolean {\n  return if (index >= 0 && index
<= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result
of calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*^@kotlin.internal.InlineOnly\npublic inline fun CharArray.getOrElse(index: Int, defaultValue: (Int) -> Char):
Char {\n  return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns
an element at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n *^@kotlin.internal.InlineOnly\npublic fun <T> Array<out T>.getOrNull(index: Int): T?
{\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the
given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n *^@kotlin.internal.InlineOnly\npublic fun ByteArray.getOrNull(index: Int): Byte? {\n
return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the given
[index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n *^@kotlin.internal.InlineOnly\npublic fun ShortArray.getOrNull(index: Int): Short? {\n
return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the given
[index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n *^@kotlin.internal.InlineOnly\npublic fun IntArray.getOrNull(index: Int): Int? {\n
return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the given
[index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n *^@kotlin.internal.InlineOnly\npublic fun LongArray.getOrNull(index: Int): Long? {\n
return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the given
[index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n *^@kotlin.internal.InlineOnly\npublic fun FloatArray.getOrNull(index: Int): Float? {\n
return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the given
[index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n *^@kotlin.internal.InlineOnly\npublic fun DoubleArray.getOrNull(index: Int): Double?
{\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the
given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n *^@kotlin.internal.InlineOnly\npublic fun BooleanArray.getOrNull(index: Int): Boolean?
{\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the
given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n *^@kotlin.internal.InlineOnly\npublic fun CharArray.getOrNull(index: Int): Char? {\n

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return if (index >= 0 && index <= lastIndex) get(index) else null\n\n/**\n * Returns first index of [element], or -
1 if the array does not contain element.\n *\npublic fun <@kotlin.internal.OnlyInputTypes T> Array<out
T>.indexOf(element: T): Int {\n    if (element == null) {\n        for (index in indices) {\n            if (this[index] ==
null) {\n                return index\n            }\n        }\n    } else {\n        for (index in indices) {\n            if (element ==
this[index]) {\n                return index\n            }\n        }\n    } return -1\n}\n\n/**\n * Returns first index of
[element], or -1 if the array does not contain element.\n *\npublic fun ByteArray.indexOf(element: Byte): Int {\n    for (index in indices) {\n        if (element == this[index]) {\n            return index\n        }\n    } return -
1\n}\n\n/**\n * Returns first index of [element], or -1 if the array does not contain element.\n *\npublic fun
ShortArray.indexOf(element: Short): Int {\n    for (index in indices) {\n        if (element == this[index]) {\n            return index\n        }\n    } return -1\n}\n\n/**\n * Returns first index of [element], or -1 if the array does not
contain element.\n *\npublic fun IntArray.indexOf(element: Int): Int {\n    for (index in indices) {\n        if (element
== this[index]) {\n            return index\n        }\n    } return -1\n}\n\n/**\n * Returns first index of [element], or -
1 if the array does not contain element.\n *\npublic fun LongArray.indexOf(element: Long): Int {\n    for (index in
indices) {\n        if (element == this[index]) {\n            return index\n        }\n    } return -1\n}\n\n/**\n * Returns
first index of [element], or -1 if the array does not contain element.\n *\n@Deprecated("The function has unclear
behavior when searching for NaN or zero values and will be removed soon. Use 'indexOfFirst { it == element }'
instead to continue using this behavior, or '.asList().indexOf(element: T)' to get the same search behavior as in a
list.", ReplaceWith("indexOfFirst { it == element }"))\n@DeprecatedSinceKotlin(warningSince = "1.4",
errorSince = "1.6")\npublic fun FloatArray.indexOf(element: Float): Int {\n    for (index in indices) {\n        if
(element == this[index]) {\n            return index\n        }\n    } return -1\n}\n\n/**\n * Returns first index of
[element], or -1 if the array does not contain element.\n *\n@Deprecated("The function has unclear behavior when
searching for NaN or zero values and will be removed soon. Use 'indexOfFirst { it == element }' instead to continue
using this behavior, or '.asList().indexOf(element: T)' to get the same search behavior as in a list.",
ReplaceWith("indexOfFirst { it == element }"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.6")\npublic fun DoubleArray.indexOf(element: Double): Int {\n    for (index in indices) {\n        if (element ==
this[index]) {\n            return index\n        }\n    } return -1\n}\n\n/**\n * Returns first index of [element], or -1
if the array does not contain element.\n *\npublic fun BooleanArray.indexOf(element: Boolean): Int {\n    for (index
in indices) {\n        if (element == this[index]) {\n            return index\n        }\n    } return -1\n}\n\n/**\n *
Returns first index of [element], or -1 if the array does not contain element.\n *\npublic fun
CharArray.indexOf(element: Char): Int {\n    for (index in indices) {\n        if (element == this[index]) {\n            return index\n        }\n    } return -1\n}\n\n/**\n * Returns index of the first element matching the given
[predicate], or -1 if the array does not contain such element.\n *\npublic inline fun <T> Array<out
T>.indexOfFirst(predicate: (T) -> Boolean): Int {\n    for (index in indices) {\n        if (predicate(this[index])) {\n            return index\n        }\n    } return -1\n}\n\n/**\n * Returns index of the first element matching the given
[predicate], or -1 if the array does not contain such element.\n *\npublic inline fun
ByteArray.indexOfFirst(predicate: (Byte) -> Boolean): Int {\n    for (index in indices) {\n        if
(predicate(this[index])) {\n            return index\n        }\n    } return -1\n}\n\n/**\n * Returns index of the first
element matching the given [predicate], or -1 if the array does not contain such element.\n *\npublic inline fun
ShortArray.indexOfFirst(predicate: (Short) -> Boolean): Int {\n    for (index in indices) {\n        if
(predicate(this[index])) {\n            return index\n        }\n    } return -1\n}\n\n/**\n * Returns index of the first
element matching the given [predicate], or -1 if the array does not contain such element.\n *\npublic inline fun
IntArray.indexOfFirst(predicate: (Int) -> Boolean): Int {\n    for (index in indices) {\n        if (predicate(this[index])) {\n            return index\n        }\n    } return -1\n}\n\n/**\n * Returns index of the first element matching the
given [predicate], or -1 if the array does not contain such element.\n *\npublic inline fun
LongArray.indexOfFirst(predicate: (Long) -> Boolean): Int {\n    for (index in indices) {\n        if
(predicate(this[index])) {\n            return index\n        }\n    } return -1\n}\n\n/**\n * Returns index of the first
element matching the given [predicate], or -1 if the array does not contain such element.\n *\npublic inline fun
FloatArray.indexOfFirst(predicate: (Float) -> Boolean): Int {\n    for (index in indices) {\n        if

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(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the first
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
DoubleArray.indexOfFirst(predicate: (Double) -> Boolean): Int {\n  for (index in indices) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the first
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
BooleanArray.indexOfFirst(predicate: (Boolean) -> Boolean): Int {\n  for (index in indices) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the first
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
CharArray.indexOfFirst(predicate: (Char) -> Boolean): Int {\n  for (index in indices) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun <T>
Array<out T>.indexOfLast(predicate: (T) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
ByteArray.indexOfLast(predicate: (Byte) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
ShortArray.indexOfLast(predicate: (Short) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
IntArray.indexOfLast(predicate: (Int) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
LongArray.indexOfLast(predicate: (Long) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
FloatArray.indexOfLast(predicate: (Float) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
DoubleArray.indexOfLast(predicate: (Double) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
BooleanArray.indexOfLast(predicate: (Boolean) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
CharArray.indexOfLast(predicate: (Char) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns the last element.\n */
\n * @throws NoSuchElementException if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n */\npublic fun <T> Array<out T>.last(): T {\n  if (isEmpty())\n  throw NoSuchElementException("Array is empty.")\n  return this[lastIndex]\n}\n\n/**\n * Returns the last
element.\n * \n * @throws NoSuchElementException if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n */\npublic fun ByteArray.last(): Byte {\n  if (isEmpty())\n  throw NoSuchElementException("Array is empty.")\n  return this[lastIndex]\n}\n\n/**\n * Returns the last
element.\n * \n * @throws NoSuchElementException if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n */\npublic fun ShortArray.last(): Short {\n  if (isEmpty())\n  throw NoSuchElementException("Array is empty.")\n  return this[lastIndex]\n}\n\n/**\n * Returns the last
element.\n * \n * @throws NoSuchElementException if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n */\npublic fun IntArray.last(): Int {\n  if (isEmpty())\n  throw

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NoSuchElementException("Array is empty.")\n    return this[lastIndex]\n}\n\n/**\n * Returns the last element.\n *\n * @throws NoSuchElementException if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic fun LongArray.last(): Long {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return this[lastIndex]\n}\n\n/**\n * Returns the last element.\n *\n * @throws NoSuchElementException if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic fun FloatArray.last(): Float {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return this[lastIndex]\n}\n\n/**\n * Returns the last element.\n *\n * @throws NoSuchElementException if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic fun DoubleArray.last(): Double {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return this[lastIndex]\n}\n\n/**\n * Returns the last element.\n *\n * @throws NoSuchElementException if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic fun BooleanArray.last(): Boolean {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return this[lastIndex]\n}\n\n/**\n * Returns the last element.\n *\n * @throws NoSuchElementException if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic fun CharArray.last(): Char {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return this[lastIndex]\n}\n\n/**\n * Returns the last element matching the given [predicate].\n *\n * @throws NoSuchElementException if no such element is found.\n *\n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun <T> Array<out T>.last(predicate: (T) -> Boolean): T {\n    for (index in this.indices.reversed()) {\n        val element = this[index]\n        if (predicate(element)) return element\n    }\n    throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n *\n * @throws NoSuchElementException if no such element is found.\n *\n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun ByteArray.last(predicate: (Byte) -> Boolean): Byte {\n    for (index in this.indices.reversed()) {\n        val element = this[index]\n        if (predicate(element)) return element\n    }\n    throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n *\n * @throws NoSuchElementException if no such element is found.\n *\n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun ShortArray.last(predicate: (Short) -> Boolean): Short {\n    for (index in this.indices.reversed()) {\n        val element = this[index]\n        if (predicate(element)) return element\n    }\n    throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n *\n * @throws NoSuchElementException if no such element is found.\n *\n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun IntArray.last(predicate: (Int) -> Boolean): Int {\n    for (index in this.indices.reversed()) {\n        val element = this[index]\n        if (predicate(element)) return element\n    }\n    throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n *\n * @throws NoSuchElementException if no such element is found.\n *\n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun LongArray.last(predicate: (Long) -> Boolean): Long {\n    for (index in this.indices.reversed()) {\n        val element = this[index]\n        if (predicate(element)) return element\n    }\n    throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n *\n * @throws NoSuchElementException if no such element is found.\n *\n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun FloatArray.last(predicate: (Float) -> Boolean): Float {\n    for (index in this.indices.reversed()) {\n        val element = this[index]\n        if (predicate(element)) return element\n    }\n    throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n *\n * @throws NoSuchElementException if no such element is found.\n *\n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun DoubleArray.last(predicate: (Double) ->

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Boolean): Double {
    for (index in this.indices.reversed()) {
        val element = this[index]
        if (predicate(element)) return element
    }
    throw NoSuchElementException("Array contains no element matching the predicate.")
}
Returns the last element matching the given [predicate].
@throws NoSuchElementException if no such element is found.
@sample
samples.collections.Collections.Elements.last

public inline fun BooleanArray.last(predicate: (Boolean) -> Boolean): Boolean {
    for (index in this.indices.reversed()) {
        val element = this[index]
        if (predicate(element)) return element
    }
    throw NoSuchElementException("Array contains no element matching the predicate.")
}
Returns the last element matching the given [predicate].
@throws NoSuchElementException if no such element is found.
@sample
samples.collections.Collections.Elements.last

public inline fun CharArray.last(predicate: (Char) -> Boolean): Char {
    for (index in this.indices.reversed()) {
        val element = this[index]
        if (predicate(element)) return element
    }
    throw NoSuchElementException("Array contains no element matching the predicate.")
}
Returns last index of [element], or -1 if the array does not contain element.

public fun <@kotlin.internal.OnlyInputTypes T> Array<out T>.lastIndexOf(element: T): Int {
    if (element == null) {
        for (index in indices.reversed()) {
            if (this[index] == null) return index
        }
    } else {
        for (index in indices.reversed()) {
            if (element == this[index]) return index
        }
    }
    return -1
}
Returns last index of [element], or -1 if the array does not contain element.

public fun ByteArray.lastIndexOf(element: Byte): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}
Returns last index of [element], or -1 if the array does not contain element.

public fun ShortArray.lastIndexOf(element: Short): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}
Returns last index of [element], or -1 if the array does not contain element.

public fun IntArray.lastIndexOf(element: Int): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}
Returns last index of [element], or -1 if the array does not contain element.

public fun LongArray.lastIndexOf(element: Long): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}
Returns last index of [element], or -1 if the array does not contain element.

@Deprecated("The function has unclear behavior when searching for NaN or zero values and will be removed soon. Use 'indexOfLast { it == element }' instead to continue using this behavior, or '.asList().lastIndexOf(element: T)' to get the same search behavior as in a list.", ReplaceWith("indexOfLast { it == element }"))
@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.6")
public fun FloatArray.lastIndexOf(element: Float): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}
Returns last index of [element], or -1 if the array does not contain element.

@Deprecated("The function has unclear behavior when searching for NaN or zero values and will be removed soon. Use 'indexOfLast { it == element }' instead to continue using this behavior, or '.asList().lastIndexOf(element: T)' to get the same search behavior as in a list.", ReplaceWith("indexOfLast { it == element }"))
@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.6")
public fun DoubleArray.lastIndexOf(element: Double): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}
Returns last index of [element], or -1 if the array does not contain element.

public fun BooleanArray.lastIndexOf(element: Boolean): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}
Returns last index of [element], or -1 if the array does not contain element.

public fun CharArray.lastIndexOf(element: Char): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}
Returns the last element, or `null` if the array is empty.
@sample
samples.collections.Collections.Elements.last

public fun <T> Array<out T>.lastOrNull(): T? {
    return if (isEmpty()) null else this[size - 1]
}
Returns the last element, or `null` if the array is empty.
@sample
samples.collections.Collections.Elements.last

public fun ByteArray.lastOrNull(): Byte? {
    return if (isEmpty()) null else this[size - 1]
}
Returns the last element, or `null` if the array is empty.

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@sample samples.collections.Collections.Elements.last\n *\npublic fun ShortArray.lastOrNull(): Short? {\n
return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element, or `null` if the array is empty.\n *
\n * @sample samples.collections.Collections.Elements.last\n *\npublic fun IntArray.lastOrNull(): Int? {\n  return
if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element, or `null` if the array is empty.\n * \n *
\n * @sample samples.collections.Collections.Elements.last\n *\npublic fun LongArray.lastOrNull(): Long? {\n  return
if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element, or `null` if the array is empty.\n * \n *
\n * @sample samples.collections.Collections.Elements.last\n *\npublic fun FloatArray.lastOrNull(): Float? {\n  return
if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element, or `null` if the array is empty.\n * \n *
\n * @sample samples.collections.Collections.Elements.last\n *\npublic fun DoubleArray.lastOrNull(): Double? {\n
return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element, or `null` if the array is empty.\n *
\n * @sample samples.collections.Collections.Elements.last\n *\npublic fun BooleanArray.lastOrNull(): Boolean?
{\n  return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element, or `null` if the array is
empty.\n * \n * @sample samples.collections.Collections.Elements.last\n *\npublic fun CharArray.lastOrNull():
Char? {\n  return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun <T> Array<out T>.lastOrNull(predicate: (T) ->
Boolean): T? {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun ByteArray.lastOrNull(predicate: (Byte) ->
Boolean): Byte? {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun ShortArray.lastOrNull(predicate: (Short) ->
Boolean): Short? {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun IntArray.lastOrNull(predicate: (Int) ->
Boolean): Int? {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun LongArray.lastOrNull(predicate: (Long) ->
Boolean): Long? {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun FloatArray.lastOrNull(predicate: (Float) ->
Boolean): Float? {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun DoubleArray.lastOrNull(predicate: (Double) ->
Boolean): Double? {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun BooleanArray.lastOrNull(predicate: (Boolean)
-> Boolean): Boolean? {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n *\npublic inline fun CharArray.lastOrNull(predicate: (Char) ->

```

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Boolean): Char? {\n    for (index in this.indices.reversed()) {\n        val element = this[index]\n        if
(predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns a random element from this array.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.random(): T {\n
return random(Random)\n}\n\n/**\n * Returns a random element from this array.\n * \n * @throws
NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic
inline fun ByteArray.random(): Byte {\n    return random(Random)\n}\n\n/**\n * Returns a random element from
this array.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.random(): Short {\n    return
random(Random)\n}\n\n/**\n * Returns a random element from this array.\n * \n * @throws
NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic
inline fun IntArray.random(): Int {\n    return random(Random)\n}\n\n/**\n * Returns a random element from this
array.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.random(): Long {\n    return
random(Random)\n}\n\n/**\n * Returns a random element from this array.\n * \n * @throws
NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic
inline fun FloatArray.random(): Float {\n    return random(Random)\n}\n\n/**\n * Returns a random element from
this array.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.random(): Double {\n
return random(Random)\n}\n\n/**\n * Returns a random element from this array.\n * \n * @throws
NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic
inline fun BooleanArray.random(): Boolean {\n    return random(Random)\n}\n\n/**\n * Returns a random element
from this array.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.random(): Char {\n    return
random(Random)\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\npublic
fun <T> Array<out T>.random(random: Random): T {\n    if (isEmpty())\n        throw
NoSuchElementException("Array is empty.")\n    return get(random.nextInt(size))\n}\n\n/**\n * Returns a random
element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if
this array is empty.\n */\n\n@SinceKotlin("1.3")\npublic fun ByteArray.random(random: Random): Byte {\n    if
(isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\npublic
fun ShortArray.random(random: Random): Short {\n    if (isEmpty())\n        throw
NoSuchElementException("Array is empty.")\n    return get(random.nextInt(size))\n}\n\n/**\n * Returns a random
element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if
this array is empty.\n */\n\n@SinceKotlin("1.3")\npublic fun IntArray.random(random: Random): Int {\n    if
(isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\npublic
fun LongArray.random(random: Random): Long {\n    if (isEmpty())\n        throw
NoSuchElementException("Array is empty.")\n    return get(random.nextInt(size))\n}\n\n/**\n * Returns a random
element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if
this array is empty.\n */\n\n@SinceKotlin("1.3")\npublic fun FloatArray.random(random: Random): Float {\n    if
(isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\npublic
fun DoubleArray.random(random: Random): Double {\n    if (isEmpty())\n        throw

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NoSuchElementException("Array is empty.\n")\n    return get(random.nextInt(size))\n}\n\n/**\n * Returns a random
element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if
this array is empty.\n */\n@SinceKotlin("1.3")\npublic fun BooleanArray.random(random: Random): Boolean {\n
if (isEmpty())\n    throw NoSuchElementException("Array is empty.\n")\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n@SinceKotlin("1.3")\npublic
fun CharArray.random(random: Random): Char {\n    if (isEmpty())\n        throw NoSuchElementException("Array
is empty.\n")\n    return get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array, or `null` if
this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun <T> Array<out T>.randomOrNull(): T? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a
random element from this array, or `null` if this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun ByteArray.randomOrNull(): Byte? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a random
element from this array, or `null` if this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun ShortArray.randomOrNull(): Short? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a
random element from this array, or `null` if this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun IntArray.randomOrNull(): Int? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a random
element from this array, or `null` if this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun LongArray.randomOrNull(): Long? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a
random element from this array, or `null` if this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun FloatArray.randomOrNull(): Float? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a
random element from this array, or `null` if this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun DoubleArray.randomOrNull(): Double? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a
random element from this array, or `null` if this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun BooleanArray.randomOrNull(): Boolean? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a
random element from this array, or `null` if this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun CharArray.randomOrNull(): Char? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a
random element from this array using the specified source of randomness, or `null` if this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun <T> Array<out
T>.randomOrNull(random: Random): T? {\n    if (isEmpty())\n        return null\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness, or `null` if this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
ByteArray.randomOrNull(random: Random): Byte? {\n    if (isEmpty())\n        return null\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness, or `null` if this array is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
ShortArray.randomOrNull(random: Random): Short? {\n    if (isEmpty())\n        return null\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness, or `null` if this array is empty.\n */\n

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*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
IntArray.randomOrNull(random: Random): Int? {\n if (isEmpty())\n return null\n return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness, or `null` if this array is empty.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
LongArray.randomOrNull(random: Random): Long? {\n if (isEmpty())\n return null\n return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness, or `null` if this array is empty.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
FloatArray.randomOrNull(random: Random): Float? {\n if (isEmpty())\n return null\n return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness, or `null` if this array is empty.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
DoubleArray.randomOrNull(random: Random): Double? {\n if (isEmpty())\n return null\n return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness, or `null` if this array is empty.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
BooleanArray.randomOrNull(random: Random): Boolean? {\n if (isEmpty())\n return null\n return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness, or `null` if this array is empty.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
CharArray.randomOrNull(random: Random): Char? {\n if (isEmpty())\n return null\n return
get(random.nextInt(size))\n}\n\n/**\n * Returns the single element, or throws an exception if the array is empty or
has more than one element.\n */\npublic fun <T> Array<out T>.single(): T {\n return when (size) {\n 0 ->
throw NoSuchElementException("Array is empty.")\n 1 -> this[0]\n else -> throw
IllegalArgumentException("Array has more than one element.")\n }\n}\n\n/**\n * Returns the single element, or
throws an exception if the array is empty or has more than one element.\n */\npublic fun ByteArray.single(): Byte
{\n return when (size) {\n 0 -> throw NoSuchElementException("Array is empty.")\n 1 -> this[0]\n
else -> throw IllegalArgumentException("Array has more than one element.")\n }\n}\n\n/**\n * Returns the
single element, or throws an exception if the array is empty or has more than one element.\n */\npublic fun
ShortArray.single(): Short {\n return when (size) {\n 0 -> throw NoSuchElementException("Array is
empty.")\n 1 -> this[0]\n else -> throw IllegalArgumentException("Array has more than one element.")\n
}\n}\n\n/**\n * Returns the single element, or throws an exception if the array is empty or has more than one
element.\n */\npublic fun IntArray.single(): Int {\n return when (size) {\n 0 -> throw
NoSuchElementException("Array is empty.")\n 1 -> this[0]\n else -> throw
IllegalArgumentException("Array has more than one element.")\n }\n}\n\n/**\n * Returns the single element, or
throws an exception if the array is empty or has more than one element.\n */\npublic fun LongArray.single(): Long
{\n return when (size) {\n 0 -> throw NoSuchElementException("Array is empty.")\n 1 -> this[0]\n
else -> throw IllegalArgumentException("Array has more than one element.")\n }\n}\n\n/**\n * Returns the
single element, or throws an exception if the array is empty or has more than one element.\n */\npublic fun
FloatArray.single(): Float {\n return when (size) {\n 0 -> throw NoSuchElementException("Array is
empty.")\n 1 -> this[0]\n else -> throw IllegalArgumentException("Array has more than one element.")\n
}\n}\n\n/**\n * Returns the single element, or throws an exception if the array is empty or has more than one
element.\n */\npublic fun DoubleArray.single(): Double {\n return when (size) {\n 0 -> throw
NoSuchElementException("Array is empty.")\n 1 -> this[0]\n else -> throw
IllegalArgumentException("Array has more than one element.")\n }\n}\n\n/**\n * Returns the single element, or
throws an exception if the array is empty or has more than one element.\n */\npublic fun BooleanArray.single():
Boolean {\n return when (size) {\n 0 -> throw NoSuchElementException("Array is empty.")\n 1 ->

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this[0]\n    else -> throw IllegalArgumentException("\Array has more than one element.\")\n    }\n}\n\n/**\n *
Returns the single element, or throws an exception if the array is empty or has more than one element.\n */\npublic
fun CharArray.single(): Char {\n    return when (size) {\n        0 -> throw NoSuchElementException("\Array is
empty.\")\n        1 -> this[0]\n        else -> throw IllegalArgumentException("\Array has more than one element.\")\n
    }\n}\n\n/**\n * Returns the single element matching the given [predicate], or throws exception if there is no or
more than one matching element.\n */\npublic inline fun <T> Array<out T>.single(predicate: (T) -> Boolean): T {\n
var single: T? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if
(found) throw IllegalArgumentException("\Array contains more than one matching element.\")\n            single =
element\n            found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("\Array contains no
element matching the predicate.\")\n    @Suppress("\UNCHECKED_CAST")\n    return single as T\n}\n\n/**\n *
Returns the single element matching the given [predicate], or throws exception if there is no or more than one
matching element.\n */\npublic inline fun ByteArray.single(predicate: (Byte) -> Boolean): Byte {\n    var single:
Byte? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) throw
IllegalArgumentException("\Array contains more than one matching element.\")\n            single = element\n
found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("\Array contains no element matching
the predicate.\")\n    @Suppress("\UNCHECKED_CAST")\n    return single as Byte\n}\n\n/**\n * Returns the
single element matching the given [predicate], or throws exception if there is no or more than one matching
element.\n */\npublic inline fun ShortArray.single(predicate: (Short) -> Boolean): Short {\n    var single: Short? =
null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) throw
IllegalArgumentException("\Array contains more than one matching element.\")\n            single = element\n
found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("\Array contains no element matching
the predicate.\")\n    @Suppress("\UNCHECKED_CAST")\n    return single as Short\n}\n\n/**\n * Returns the
single element matching the given [predicate], or throws exception if there is no or more than one matching
element.\n */\npublic inline fun IntArray.single(predicate: (Int) -> Boolean): Int {\n    var single: Int? = null\n    var
found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) throw
IllegalArgumentException("\Array contains more than one matching element.\")\n            single = element\n
found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("\Array contains no element matching
the predicate.\")\n    @Suppress("\UNCHECKED_CAST")\n    return single as Int\n}\n\n/**\n * Returns the single
element matching the given [predicate], or throws exception if there is no or more than one matching element.\n
*/\npublic inline fun LongArray.single(predicate: (Long) -> Boolean): Long {\n    var single: Long? = null\n    var
found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) throw
IllegalArgumentException("\Array contains more than one matching element.\")\n            single = element\n
found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("\Array contains no element matching
the predicate.\")\n    @Suppress("\UNCHECKED_CAST")\n    return single as Long\n}\n\n/**\n * Returns the
single element matching the given [predicate], or throws exception if there is no or more than one matching
element.\n */\npublic inline fun FloatArray.single(predicate: (Float) -> Boolean): Float {\n    var single: Float? =
null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) throw
IllegalArgumentException("\Array contains more than one matching element.\")\n            single = element\n
found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("\Array contains no element matching
the predicate.\")\n    @Suppress("\UNCHECKED_CAST")\n    return single as Float\n}\n\n/**\n * Returns the
single element matching the given [predicate], or throws exception if there is no or more than one matching
element.\n */\npublic inline fun DoubleArray.single(predicate: (Double) -> Boolean): Double {\n    var single:
Double? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found)
throw IllegalArgumentException("\Array contains more than one matching element.\")\n            single = element\n
found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("\Array contains no element
matching the predicate.\")\n    @Suppress("\UNCHECKED_CAST")\n    return single as Double\n}\n\n/**\n *
Returns the single element matching the given [predicate], or throws exception if there is no or more than one
matching element.\n */\npublic inline fun BooleanArray.single(predicate: (Boolean) -> Boolean): Boolean {\n    var

```

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single: Boolean? = null\n  var found = false\n  for (element in this) {\n    if (predicate(element)) {\n      if
(found) throw IllegalArgumentException("Array contains more than one matching element.")\n      single =
element\n      found = true\n    }\n  }\n  if (!found) throw NoSuchElementException("Array contains no
element matching the predicate.")\n  @Suppress("UNCHECKED_CAST")\n  return single as
Boolean\n}\n\n/**\n * Returns the single element matching the given [predicate], or throws exception if there is no
or more than one matching element.\n */\npublic inline fun CharArray.single(predicate: (Char) -> Boolean): Char
{\n  var single: Char? = null\n  var found = false\n  for (element in this) {\n    if (predicate(element)) {\n
if (found) throw IllegalArgumentException("Array contains more than one matching element.")\n    single =
element\n    found = true\n  }\n  }\n  if (!found) throw NoSuchElementException("Array contains no
element matching the predicate.")\n  @Suppress("UNCHECKED_CAST")\n  return single as Char\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun <T>
Array<out T>.singleOrNull(): T? {\n  return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun ByteArray.singleOrNull(): Byte? {\n
return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more
than one element.\n */\npublic fun ShortArray.singleOrNull(): Short? {\n  return if (size == 1) this[0] else
null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic
fun IntArray.singleOrNull(): Int? {\n  return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun LongArray.singleOrNull(): Long? {\n
return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more
than one element.\n */\npublic fun FloatArray.singleOrNull(): Float? {\n  return if (size == 1) this[0] else
null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic
fun DoubleArray.singleOrNull(): Double? {\n  return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single
element, or `null` if the array is empty or has more than one element.\n */\npublic fun BooleanArray.singleOrNull():
Boolean? {\n  return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is
empty or has more than one element.\n */\npublic fun CharArray.singleOrNull(): Char? {\n  return if (size == 1)
this[0] else null\n}\n\n/**\n * Returns the single element matching the given [predicate], or `null` if element was not
found or more than one element was found.\n */\npublic inline fun <T> Array<out T>.singleOrNull(predicate: (T) -
> Boolean): T? {\n  var single: T? = null\n  var found = false\n  for (element in this) {\n    if
(predicate(element)) {\n      if (found) return null\n      single = element\n      found = true\n    }\n  }\n  if (!found) return null\n  return single\n}\n\n/**\n * Returns the single element matching the given [predicate], or
`null` if element was not found or more than one element was found.\n */\npublic inline fun
ByteArray.singleOrNull(predicate: (Byte) -> Boolean): Byte? {\n  var single: Byte? = null\n  var found = false\n
for (element in this) {\n    if (predicate(element)) {\n      if (found) return null\n      single = element\n
      found = true\n    }\n  }\n  if (!found) return null\n  return single\n}\n\n/**\n * Returns the single element
matching the given [predicate], or `null` if element was not found or more than one element was found.\n */\npublic
inline fun ShortArray.singleOrNull(predicate: (Short) -> Boolean): Short? {\n  var single: Short? = null\n  var
found = false\n  for (element in this) {\n    if (predicate(element)) {\n      if (found) return null\n      single
= element\n      found = true\n    }\n  }\n  if (!found) return null\n  return single\n}\n\n/**\n * Returns the
single element matching the given [predicate], or `null` if element was not found or more than one element was
found.\n */\npublic inline fun IntArray.singleOrNull(predicate: (Int) -> Boolean): Int? {\n  var single: Int? = null\n
var found = false\n  for (element in this) {\n    if (predicate(element)) {\n      if (found) return null\n
      single = element\n      found = true\n    }\n  }\n  if (!found) return null\n  return single\n}\n\n/**\n *
Returns the single element matching the given [predicate], or `null` if element was not found or more than one
element was found.\n */\npublic inline fun LongArray.singleOrNull(predicate: (Long) -> Boolean): Long? {\n  var
single: Long? = null\n  var found = false\n  for (element in this) {\n    if (predicate(element)) {\n      if
(found) return null\n      single = element\n      found = true\n    }\n  }\n  if (!found) return null\n  return
single\n}\n\n/**\n * Returns the single element matching the given [predicate], or `null` if element was not found or
more than one element was found.\n */\npublic inline fun FloatArray.singleOrNull(predicate: (Float) -> Boolean):

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Float? {
    var single: Float? = null
    var found = false
    for (element in this) {
        if (predicate(element)) {
            if (found) return null
            single = element
            found = true
        }
    }
    if (!found) return null
    return single
}

Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.

public inline fun DoubleArray.singleOrNull(predicate: (Double) -> Boolean): Double? {
    var single: Double? = null
    var found = false
    for (element in this) {
        if (predicate(element)) {
            if (found) return null
            single = element
            found = true
        }
    }
    if (!found) return null
    return single
}

Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.

public inline fun BooleanArray.singleOrNull(predicate: (Boolean) -> Boolean): Boolean? {
    var single: Boolean? = null
    var found = false
    for (element in this) {
        if (predicate(element)) {
            if (found) return null
            single = element
            found = true
        }
    }
    if (!found) return null
    return single
}

Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.

public inline fun CharArray.singleOrNull(predicate: (Char) -> Boolean): Char? {
    var single: Char? = null
    var found = false
    for (element in this) {
        if (predicate(element)) {
            if (found) return null
            single = element
            found = true
        }
    }
    if (!found) return null
    return single
}

Returns a list containing all elements except first [n] elements.

@throws IllegalArgumentException if [n] is negative.

sample
samples.collections.Collections.Transformations.drop

public fun <T> Array<out T>.drop(n: Int): List<T> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

Returns a list containing all elements except first [n] elements.

@throws IllegalArgumentException if [n] is negative.

sample
samples.collections.Collections.Transformations.drop

public fun ByteArray.drop(n: Int): List<Byte> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

Returns a list containing all elements except first [n] elements.

@throws IllegalArgumentException if [n] is negative.

sample
samples.collections.Collections.Transformations.drop

public fun ShortArray.drop(n: Int): List<Short> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

Returns a list containing all elements except first [n] elements.

@throws IllegalArgumentException if [n] is negative.

sample
samples.collections.Collections.Transformations.drop

public fun IntArray.drop(n: Int): List<Int> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

Returns a list containing all elements except first [n] elements.

@throws IllegalArgumentException if [n] is negative.

sample
samples.collections.Collections.Transformations.drop

public fun LongArray.drop(n: Int): List<Long> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

Returns a list containing all elements except first [n] elements.

@throws IllegalArgumentException if [n] is negative.

sample
samples.collections.Collections.Transformations.drop

public fun FloatArray.drop(n: Int): List<Float> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

Returns a list containing all elements except first [n] elements.

@throws IllegalArgumentException if [n] is negative.

sample
samples.collections.Collections.Transformations.drop

public fun DoubleArray.drop(n: Int): List<Double> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

Returns a list containing all elements except first [n] elements.

@throws IllegalArgumentException if [n] is negative.

sample
samples.collections.Collections.Transformations.drop

public fun BooleanArray.drop(n: Int): List<Boolean> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

Returns a list containing all elements except first [n] elements.

@throws

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IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun CharArray.drop(n: Int): List<Char> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return takeLast((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun <T> Array<out T>.dropLast(n: Int): List<T>
{\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun ByteArray.dropLast(n: Int): List<Byte> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun ShortArray.dropLast(n: Int): List<Short> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun IntArray.dropLast(n: Int): List<Int> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun LongArray.dropLast(n: Int): List<Long> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun FloatArray.dropLast(n: Int): List<Float> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun DoubleArray.dropLast(n: Int): List<Double>
{\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun BooleanArray.dropLast(n: Int):
List<Boolean> {\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun CharArray.dropLast(n: Int): List<Char> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last elements that satisfy the given
[predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n *\npublic inline fun <T>
Array<out T>.dropLastWhile(predicate: (T) -> Boolean): List<T> {\n  for (index in lastIndex downTo 0) {\n    if
(!predicate(this[index])) {\n      return take(index + 1)\n    }\n  }\n  return emptyList()\n}\n\n/**\n * Returns
a list containing all elements except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun ByteArray.dropLastWhile(predicate:
(Byte) -> Boolean): List<Byte> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n
return take(index + 1)\n    }\n  }\n  return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample

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samples.collections.Collections.Transformations.drop\n *\npublic inline fun ShortArray.dropLastWhile(predicate:
(Short) -> Boolean): List<Short> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n
  return take(index + 1)\n    }\n  }\n  return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun IntArray.dropLastWhile(predicate:
(Int) -> Boolean): List<Int> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n
return take(index + 1)\n    }\n  }\n  return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun LongArray.dropLastWhile(predicate:
(Long) -> Boolean): List<Long> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n
return take(index + 1)\n    }\n  }\n  return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun FloatArray.dropLastWhile(predicate:
(Float) -> Boolean): List<Float> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n
return take(index + 1)\n    }\n  }\n  return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun DoubleArray.dropLastWhile(predicate:
(Double) -> Boolean): List<Double> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n
return take(index + 1)\n    }\n  }\n  return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun
BooleanArray.dropLastWhile(predicate: (Boolean) -> Boolean): List<Boolean> {\n  for (index in lastIndex
downTo 0) {\n    if (!predicate(this[index])) {\n      return take(index + 1)\n    }\n  }\n  return
emptyList()\n}\n\n/**\n * Returns a list containing all elements except last elements that satisfy the given
[predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun
CharArray.dropLastWhile(predicate: (Char) -> Boolean): List<Char> {\n  for (index in lastIndex downTo 0) {\n
if (!predicate(this[index])) {\n    return take(index + 1)\n  }\n}\n  return emptyList()\n}\n\n/**\n *
Returns a list containing all elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun <T> Array<out
T>.dropWhile(predicate: (T) -> Boolean): List<T> {\n  var yielding = false\n  val list = ArrayList<T>()\n  for
(item in this)\n    if (yielding)\n      list.add(item)\n    else if (!predicate(item)) {\n      list.add(item)\n
yielding = true\n    }\n  return list\n}\n\n/**\n * Returns a list containing all elements except first elements that
satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun
ByteArray.dropWhile(predicate: (Byte) -> Boolean): List<Byte> {\n  var yielding = false\n  val list =
ArrayList<Byte>()\n  for (item in this)\n    if (yielding)\n      list.add(item)\n    else if (!predicate(item)) {\n
list.add(item)\n      yielding = true\n    }\n  return list\n}\n\n/**\n * Returns a list containing all
elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun ShortArray.dropWhile(predicate:
(Short) -> Boolean): List<Short> {\n  var yielding = false\n  val list = ArrayList<Short>()\n  for (item in this)\n
if (yielding)\n    list.add(item)\n  else if (!predicate(item)) {\n    list.add(item)\n    yielding =
true\n  }\n  return list\n}\n\n/**\n * Returns a list containing all elements except first elements that satisfy the
given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun
IntArray.dropWhile(predicate: (Int) -> Boolean): List<Int> {\n  var yielding = false\n  val list =
ArrayList<Int>()\n  for (item in this)\n    if (yielding)\n      list.add(item)\n    else if (!predicate(item)) {\n
list.add(item)\n      yielding = true\n    }\n  return list\n}\n\n/**\n * Returns a list containing all elements
except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun LongArray.dropWhile(predicate:
(Long) -> Boolean): List<Long> {\n  var yielding = false\n  val list = ArrayList<Long>()\n  for (item in this)\n

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    if (yielding)\n        list.add(item)\n    else if (!predicate(item)) {\n        list.add(item)\n        yielding =
true\n    }\n    return list\n}\n\n/**\n * Returns a list containing all elements except first elements that satisfy the
given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n */\npublic inline fun
FloatArray.dropWhile(predicate: (Float) -> Boolean): List<Float> {\n    var yielding = false\n    val list =
ArrayList<Float>()\n    for (item in this)\n        if (yielding)\n            list.add(item)\n        else if (!predicate(item))
{\n            list.add(item)\n            yielding = true\n        }\n    return list\n}\n\n/**\n * Returns a list containing all
elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n */\npublic inline fun DoubleArray.dropWhile(predicate:
(Double) -> Boolean): List<Double> {\n    var yielding = false\n    val list = ArrayList<Double>()\n    for (item in
this)\n        if (yielding)\n            list.add(item)\n        else if (!predicate(item)) {\n            list.add(item)\n
yielding = true\n        }\n    return list\n}\n\n/**\n * Returns a list containing all elements except first elements that
satisfy the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n */\npublic
inline fun BooleanArray.dropWhile(predicate: (Boolean) -> Boolean): List<Boolean> {\n    var yielding = false\n
val list = ArrayList<Boolean>()\n    for (item in this)\n        if (yielding)\n            list.add(item)\n        else if
(!predicate(item)) {\n            list.add(item)\n            yielding = true\n        }\n    return list\n}\n\n/**\n * Returns a list
containing all elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n */\npublic inline fun CharArray.dropWhile(predicate:
(Char) -> Boolean): List<Char> {\n    var yielding = false\n    val list = ArrayList<Char>()\n    for (item in this)\n
if (yielding)\n        list.add(item)\n    else if (!predicate(item)) {\n        list.add(item)\n        yielding =
true\n    }\n    return list\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * \n *
@sample samples.collections.Collections.Filtering.filter\n */\npublic inline fun <T> Array<out
T>.filter(predicate: (T) -> Boolean): List<T> {\n    return filterTo(ArrayList<T>(), predicate)\n}\n\n/**\n * Returns
a list containing only elements matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n */\npublic inline fun ByteArray.filter(predicate: (Byte) -> Boolean):
List<Byte> {\n    return filterTo(ArrayList<Byte>(), predicate)\n}\n\n/**\n * Returns a list containing only elements
matching the given [predicate].\n * \n * @sample samples.collections.Collections.Filtering.filter\n */\npublic inline
fun ShortArray.filter(predicate: (Short) -> Boolean): List<Short> {\n    return filterTo(ArrayList<Short>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n */\npublic inline fun IntArray.filter(predicate: (Int) -> Boolean):
List<Int> {\n    return filterTo(ArrayList<Int>(), predicate)\n}\n\n/**\n * Returns a list containing only elements
matching the given [predicate].\n * \n * @sample samples.collections.Collections.Filtering.filter\n */\npublic inline
fun LongArray.filter(predicate: (Long) -> Boolean): List<Long> {\n    return filterTo(ArrayList<Long>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n */\npublic inline fun FloatArray.filter(predicate: (Float) ->
Boolean): List<Float> {\n    return filterTo(ArrayList<Float>(), predicate)\n}\n\n/**\n * Returns a list containing
only elements matching the given [predicate].\n * \n * @sample samples.collections.Collections.Filtering.filter\n
*/\npublic inline fun DoubleArray.filter(predicate: (Double) -> Boolean): List<Double> {\n    return
filterTo(ArrayList<Double>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given
[predicate].\n * \n * @sample samples.collections.Collections.Filtering.filter\n */\npublic inline fun
BooleanArray.filter(predicate: (Boolean) -> Boolean): List<Boolean> {\n    return filterTo(ArrayList<Boolean>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n */\npublic inline fun CharArray.filter(predicate: (Char) ->
Boolean): List<Char> {\n    return filterTo(ArrayList<Char>(), predicate)\n}\n\n/**\n * Returns a list containing
only elements matching the given [predicate].\n * \n * @param [predicate] function that takes the index of an element
and the element itself\n * and returns the result of predicate evaluation on the element.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexed\n */\npublic inline fun <T> Array<out
T>.filterIndexed(predicate: (index: Int, T) -> Boolean): List<T> {\n    return filterIndexedTo(ArrayList<T>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * \n * @param

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[predicate] function that takes the index of an element and the element itself\n * and returns the result of predicate
evaluation on the element.\n * \n * @sample samples.collections.Collections.Filtering.filterIndexed\n */\npublic
inline fun ByteArray.filterIndexed(predicate: (index: Int, Byte) -> Boolean): List<Byte> {\n    return
filterIndexedTo(ArrayList<Byte>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexed\n */\npublic inline fun ShortArray.filterIndexed(predicate:
(index: Int, Short) -> Boolean): List<Short> {\n    return filterIndexedTo(ArrayList<Short>(), predicate)\n}\n\n/**\n
* Returns a list containing only elements matching the given [predicate].\n * @param [predicate] function that takes
the index of an element and the element itself\n * and returns the result of predicate evaluation on the element.\n * \n
* @sample samples.collections.Collections.Filtering.filterIndexed\n */\npublic inline fun
IntArray.filterIndexed(predicate: (index: Int, Int) -> Boolean): List<Int> {\n    return
filterIndexedTo(ArrayList<Int>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexed\n */\npublic inline fun LongArray.filterIndexed(predicate:
(index: Int, Long) -> Boolean): List<Long> {\n    return filterIndexedTo(ArrayList<Long>(), predicate)\n}\n\n/**\n
* Returns a list containing only elements matching the given [predicate].\n * @param [predicate] function that takes
the index of an element and the element itself\n * and returns the result of predicate evaluation on the element.\n * \n
* @sample samples.collections.Collections.Filtering.filterIndexed\n */\npublic inline fun
FloatArray.filterIndexed(predicate: (index: Int, Float) -> Boolean): List<Float> {\n    return
filterIndexedTo(ArrayList<Float>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexed\n */\npublic inline fun DoubleArray.filterIndexed(predicate:
(index: Int, Double) -> Boolean): List<Double> {\n    return filterIndexedTo(ArrayList<Double>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * @param
[predicate] function that takes the index of an element and the element itself\n * and returns the result of predicate
evaluation on the element.\n * \n * @sample samples.collections.Collections.Filtering.filterIndexed\n */\npublic
inline fun BooleanArray.filterIndexed(predicate: (index: Int, Boolean) -> Boolean): List<Boolean> {\n    return
filterIndexedTo(ArrayList<Boolean>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching
the given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n *
and returns the result of predicate evaluation on the element.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexed\n */\npublic inline fun CharArray.filterIndexed(predicate:
(index: Int, Char) -> Boolean): List<Char> {\n    return filterIndexedTo(ArrayList<Char>(), predicate)\n}\n\n/**\n
* Appends all elements matching the given [predicate] to the given [destination].\n * @param [predicate] function that
takes the index of an element and the element itself\n * and returns the result of predicate evaluation on the
element.\n * \n * @sample samples.collections.Collections.Filtering.filterIndexedTo\n */\npublic inline fun <T, C :
MutableCollection<in T>> Array<out T>.filterIndexedTo(destination: C, predicate: (index: Int, T) -> Boolean): C
{\n    forEachIndexed { index, element ->\n        if (predicate(index, element)) destination.add(element)\n    }\n
return destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n *
@param [predicate] function that takes the index of an element and the element itself\n * and returns the result of
predicate evaluation on the element.\n * \n * @sample samples.collections.Collections.Filtering.filterIndexedTo\n */\n
public inline fun <C : MutableCollection<in Byte>> ByteArray.filterIndexedTo(destination: C, predicate:
(index: Int, Byte) -> Boolean): C {\n    forEachIndexed { index, element ->\n        if (predicate(index, element))
destination.add(element)\n    }\n    return destination\n}\n\n/**\n * Appends all elements matching the given
[predicate] to the given [destination].\n * @param [predicate] function that takes the index of an element and the
element itself\n * and returns the result of predicate evaluation on the element.\n * \n * @sample

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samples.collections.Collections.Filtering.filterIndexedTo\n *^\\npublic inline fun <C : MutableCollection<in Short>>
ShortArray.filterIndexedTo(destination: C, predicate: (index: Int, Short) -> Boolean): C {\\n  forEachIndexed {
index, element ->\\n    if (predicate(index, element)) destination.add(element)\\n  }\\n  return
destination\\n}\\n\\n/**\\n * Appends all elements matching the given [predicate] to the given [destination].\\n *
@param [predicate] function that takes the index of an element and the element itself\\n * and returns the result of
predicate evaluation on the element.\\n * \\n * @sample samples.collections.Collections.Filtering.filterIndexedTo\\n
*^\\npublic inline fun <C : MutableCollection<in Int>> IntArray.filterIndexedTo(destination: C, predicate: (index:
Int, Int) -> Boolean): C {\\n  forEachIndexed { index, element ->\\n    if (predicate(index, element))
destination.add(element)\\n  }\\n  return destination\\n}\\n\\n/**\\n * Appends all elements matching the given
[predicate] to the given [destination].\\n * @param [predicate] function that takes the index of an element and the
element itself\\n * and returns the result of predicate evaluation on the element.\\n * \\n * @sample
samples.collections.Collections.Filtering.filterIndexedTo\n *^\\npublic inline fun <C : MutableCollection<in Long>>
LongArray.filterIndexedTo(destination: C, predicate: (index: Int, Long) -> Boolean): C {\\n  forEachIndexed {
index, element ->\\n    if (predicate(index, element)) destination.add(element)\\n  }\\n  return
destination\\n}\\n\\n/**\\n * Appends all elements matching the given [predicate] to the given [destination].\\n *
@param [predicate] function that takes the index of an element and the element itself\\n * and returns the result of
predicate evaluation on the element.\\n * \\n * @sample samples.collections.Collections.Filtering.filterIndexedTo\\n
*^\\npublic inline fun <C : MutableCollection<in Float>> FloatArray.filterIndexedTo(destination: C, predicate:
(index: Int, Float) -> Boolean): C {\\n  forEachIndexed { index, element ->\\n    if (predicate(index, element))
destination.add(element)\\n  }\\n  return destination\\n}\\n\\n/**\\n * Appends all elements matching the given
[predicate] to the given [destination].\\n * @param [predicate] function that takes the index of an element and the
element itself\\n * and returns the result of predicate evaluation on the element.\\n * \\n * @sample
samples.collections.Collections.Filtering.filterIndexedTo\n *^\\npublic inline fun <C : MutableCollection<in
Double>> DoubleArray.filterIndexedTo(destination: C, predicate: (index: Int, Double) -> Boolean): C {\\n
forEachIndexed { index, element ->\\n    if (predicate(index, element)) destination.add(element)\\n  }\\n  return
destination\\n}\\n\\n/**\\n * Appends all elements matching the given [predicate] to the given [destination].\\n *
@param [predicate] function that takes the index of an element and the element itself\\n * and returns the result of
predicate evaluation on the element.\\n * \\n * @sample samples.collections.Collections.Filtering.filterIndexedTo\\n
*^\\npublic inline fun <C : MutableCollection<in Boolean>> BooleanArray.filterIndexedTo(destination: C, predicate:
(index: Int, Boolean) -> Boolean): C {\\n  forEachIndexed { index, element ->\\n    if (predicate(index, element))
destination.add(element)\\n  }\\n  return destination\\n}\\n\\n/**\\n * Appends all elements matching the given
[predicate] to the given [destination].\\n * @param [predicate] function that takes the index of an element and the
element itself\\n * and returns the result of predicate evaluation on the element.\\n * \\n * @sample
samples.collections.Collections.Filtering.filterIndexedTo\n *^\\npublic inline fun <C : MutableCollection<in Char>>
CharArray.filterIndexedTo(destination: C, predicate: (index: Int, Char) -> Boolean): C {\\n  forEachIndexed {
index, element ->\\n    if (predicate(index, element)) destination.add(element)\\n  }\\n  return
destination\\n}\\n\\n/**\\n * Returns a list containing all elements that are instances of specified type parameter R.\\n *
\\n * @sample samples.collections.Collections.Filtering.filterIsInstance\n *^\\npublic inline fun <reified R>
Array<*>.filterIsInstance(): List<@kotlin.internal.NoInfer R> {\\n  return
filterIsInstanceTo(\\n}\\n}\\n\\n/**\\n * Appends all elements that are instances of specified type
parameter R to the given [destination].\\n * \\n * @sample
samples.collections.Collections.Filtering.filterIsInstanceTo\n *^\\npublic inline fun <reified R, C :
MutableCollection<in R>> Array<*>.filterIsInstanceTo(destination: C): C {\\n  for (element in this) if (element is
R) destination.add(element)\\n  return destination\\n}\\n}\\n\\n/**\\n * Returns a list containing all elements not matching
the given [predicate].\\n * \\n * @sample samples.collections.Collections.Filtering.filter\n *^\\npublic inline fun <T>
Array<out T>.filterNot(predicate: (T) -> Boolean): List<T> {\\n  return filterNotTo(\\n}\\n}\\n\\n/**\\n * Returns a list containing all elements not matching the given [predicate].\\n * \\n * @sample
samples.collections.Collections.Filtering.filter\n *^\\npublic inline fun ByteArray.filterNot(predicate: (Byte) ->

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Boolean): List<Byte> {\n  return filterNotTo(ArrayList<Byte>(), predicate)\n}\n\n/**\n * Returns a list containing
all elements not matching the given [predicate].\n * \n * @sample samples.collections.Collections.Filtering.filter\n
*/\npublic inline fun ShortArray.filterNot(predicate: (Short) -> Boolean): List<Short> {\n  return
filterNotTo(ArrayList<Short>(), predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the
given [predicate].\n * \n * @sample samples.collections.Collections.Filtering.filter\n */\npublic inline fun
IntArray.filterNot(predicate: (Int) -> Boolean): List<Int> {\n  return filterNotTo(ArrayList<Int>(),
predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n */\npublic inline fun LongArray.filterNot(predicate: (Long) ->
Boolean): List<Long> {\n  return filterNotTo(ArrayList<Long>(), predicate)\n}\n\n/**\n * Returns a list
containing all elements not matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n */\npublic inline fun FloatArray.filterNot(predicate: (Float) ->
Boolean): List<Float> {\n  return filterNotTo(ArrayList<Float>(), predicate)\n}\n\n/**\n * Returns a list
containing all elements not matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n */\npublic inline fun DoubleArray.filterNot(predicate: (Double) ->
Boolean): List<Double> {\n  return filterNotTo(ArrayList<Double>(), predicate)\n}\n\n/**\n * Returns a list
containing all elements not matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n */\npublic inline fun BooleanArray.filterNot(predicate: (Boolean) -
> Boolean): List<Boolean> {\n  return filterNotTo(ArrayList<Boolean>(), predicate)\n}\n\n/**\n * Returns a list
containing all elements not matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n */\npublic inline fun CharArray.filterNot(predicate: (Char) ->
Boolean): List<Char> {\n  return filterNotTo(ArrayList<Char>(), predicate)\n}\n\n/**\n * Returns a list containing
all elements that are not `null`.\n * \n * @sample samples.collections.Collections.Filtering.filterNotNull\n */\npublic
fun <T : Any> Array<out T?>.filterNotNull(): List<T> {\n  return filterNotNullTo(ArrayList<T>())\n}\n\n/**\n *
Appends all elements that are not `null` to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterNotNullTo\n */\npublic fun <C : MutableCollection<in T>, T : Any>
Array<out T?>.filterNotNullTo(destination: C): C {\n  for (element in this) if (element != null)
destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements not matching the given
[predicate] to the given [destination].\n * \n * @sample samples.collections.Collections.Filtering.filterTo\n
*/\npublic inline fun <T, C : MutableCollection<in T>> Array<out T>.filterNotTo(destination: C, predicate: (T) ->
Boolean): C {\n  for (element in this) if (!predicate(element)) destination.add(element)\n  return
destination\n}\n\n/**\n * Appends all elements not matching the given [predicate] to the given [destination].\n * \n *
@sample samples.collections.Collections.Filtering.filterTo\n */\npublic inline fun <C : MutableCollection<in
Byte>> ByteArray.filterNotTo(destination: C, predicate: (Byte) -> Boolean): C {\n  for (element in this) if
(!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements not
matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n */\npublic inline fun <C : MutableCollection<in Short>>
ShortArray.filterNotTo(destination: C, predicate: (Short) -> Boolean): C {\n  for (element in this) if
(!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements not
matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n */\npublic inline fun <C : MutableCollection<in Int>>
IntArray.filterNotTo(destination: C, predicate: (Int) -> Boolean): C {\n  for (element in this) if
(!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements not
matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n */\npublic inline fun <C : MutableCollection<in Long>>
LongArray.filterNotTo(destination: C, predicate: (Long) -> Boolean): C {\n  for (element in this) if
(!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements not
matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n */\npublic inline fun <C : MutableCollection<in Float>>

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FloatArray.filterNotTo(destination: C, predicate: (Float) -> Boolean): C {
    for (element in this) if (!predicate(element)) destination.add(element)
}
return destination
}
Append all elements not matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <C : MutableCollection<in Double>>
DoubleArray.filterNotTo(destination: C, predicate: (Double) -> Boolean): C {
    for (element in this) if (!predicate(element)) destination.add(element)
}
return destination
}
Append all elements not matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <C : MutableCollection<in Boolean>>
BooleanArray.filterNotTo(destination: C, predicate: (Boolean) -> Boolean): C {
    for (element in this) if (!predicate(element)) destination.add(element)
}
return destination
}
Append all elements not matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <C : MutableCollection<in Char>>
CharArray.filterNotTo(destination: C, predicate: (Char) -> Boolean): C {
    for (element in this) if (!predicate(element)) destination.add(element)
}
return destination
}
Append all elements matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <T, C : MutableCollection<in T>> Array<out T>.filterTo(destination: C, predicate: (T) -> Boolean): C {
    for (element in this) if (predicate(element)) destination.add(element)
}
return destination
}
Append all elements matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <C : MutableCollection<in Byte>> ByteArray.filterTo(destination: C, predicate: (Byte) -> Boolean): C {
    for (element in this) if (predicate(element)) destination.add(element)
}
return destination
}
Append all elements matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <C : MutableCollection<in Short>> ShortArray.filterTo(destination: C, predicate: (Short) -> Boolean): C {
    for (element in this) if (predicate(element)) destination.add(element)
}
return destination
}
Append all elements matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <C : MutableCollection<in Int>> IntArray.filterTo(destination: C, predicate: (Int) -> Boolean): C {
    for (element in this) if (predicate(element)) destination.add(element)
}
return destination
}
Append all elements matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <C : MutableCollection<in Long>> LongArray.filterTo(destination: C, predicate: (Long) -> Boolean): C {
    for (element in this) if (predicate(element)) destination.add(element)
}
return destination
}
Append all elements matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <C : MutableCollection<in Float>> FloatArray.filterTo(destination: C, predicate: (Float) -> Boolean): C {
    for (element in this) if (predicate(element)) destination.add(element)
}
return destination
}
Append all elements matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <C : MutableCollection<in Double>> DoubleArray.filterTo(destination: C, predicate: (Double) -> Boolean): C {
    for (element in this) if (predicate(element)) destination.add(element)
}
return destination
}
Append all elements matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <C : MutableCollection<in Boolean>> BooleanArray.filterTo(destination: C, predicate: (Boolean) -> Boolean): C {
    for (element in this) if (predicate(element)) destination.add(element)
}
return destination
}
Append all elements matching the given [predicate] to the given [destination].
@sample
samples.collections.Collections.Filtering.filterTo
public inline fun <C : MutableCollection<in Char>> CharArray.filterTo(destination: C, predicate: (Char) -> Boolean): C {
    for (element in this) if (predicate(element)) destination.add(element)
}
return destination
}
Returns a list containing elements at indices in the specified [indices] range.
public fun <T> Array<out T>.slice(indices: IntRange): List<T> {
    if (indices.isEmpty()) return listOf()
}
return copyOfRange(indices.start, indices.endInclusive + 1).asList()
}
Returns a list containing elements at

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indices in the specified [indices] range.\n */\npublic fun ByteArray.slice(indices: IntRange): List<Byte> {\n if
(indices.isEmpty()) return listOf()\n return copyOfRange(indices.start, indices.endInclusive +
1).asList()\n}\n\n/**\n * Returns a list containing elements at indices in the specified [indices] range.\n */\npublic
fun ShortArray.slice(indices: IntRange): List<Short> {\n if (indices.isEmpty()) return listOf()\n return
copyOfRange(indices.start, indices.endInclusive + 1).asList()\n}\n\n/**\n * Returns a list containing elements at
indices in the specified [indices] range.\n */\npublic fun IntArray.slice(indices: IntRange): List<Int> {\n if
(indices.isEmpty()) return listOf()\n return copyOfRange(indices.start, indices.endInclusive +
1).asList()\n}\n\n/**\n * Returns a list containing elements at indices in the specified [indices] range.\n */\npublic
fun LongArray.slice(indices: IntRange): List<Long> {\n if (indices.isEmpty()) return listOf()\n return
copyOfRange(indices.start, indices.endInclusive + 1).asList()\n}\n\n/**\n * Returns a list containing elements at
indices in the specified [indices] range.\n */\npublic fun FloatArray.slice(indices: IntRange): List<Float> {\n if
(indices.isEmpty()) return listOf()\n return copyOfRange(indices.start, indices.endInclusive +
1).asList()\n}\n\n/**\n * Returns a list containing elements at indices in the specified [indices] range.\n */\npublic
fun DoubleArray.slice(indices: IntRange): List<Double> {\n if (indices.isEmpty()) return listOf()\n return
copyOfRange(indices.start, indices.endInclusive + 1).asList()\n}\n\n/**\n * Returns a list containing elements at
indices in the specified [indices] range.\n */\npublic fun BooleanArray.slice(indices: IntRange): List<Boolean> {\n
if (indices.isEmpty()) return listOf()\n return copyOfRange(indices.start, indices.endInclusive +
1).asList()\n}\n\n/**\n * Returns a list containing elements at indices in the specified [indices] range.\n */\npublic
fun CharArray.slice(indices: IntRange): List<Char> {\n if (indices.isEmpty()) return listOf()\n return
copyOfRange(indices.start, indices.endInclusive + 1).asList()\n}\n\n/**\n * Returns a list containing elements at
specified [indices].\n */\npublic fun <T> Array<out T>.slice(indices: Iterable<Int>): List<T> {\n val size =
indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list = ArrayList<T>(size)\n for
(index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n * Returns a list containing elements at
specified [indices].\n */\npublic fun ByteArray.slice(indices: Iterable<Int>): List<Byte> {\n val size =
indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list = ArrayList<Byte>(size)\n for
(index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n * Returns a list containing elements at
specified [indices].\n */\npublic fun ShortArray.slice(indices: Iterable<Int>): List<Short> {\n val size =
indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list = ArrayList<Short>(size)\n
for (index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n * Returns a list containing
elements at specified [indices].\n */\npublic fun IntArray.slice(indices: Iterable<Int>): List<Int> {\n val size =
indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list = ArrayList<Int>(size)\n for
(index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n * Returns a list containing elements at
specified [indices].\n */\npublic fun LongArray.slice(indices: Iterable<Int>): List<Long> {\n val size =
indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list = ArrayList<Long>(size)\n
for (index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n * Returns a list containing
elements at specified [indices].\n */\npublic fun FloatArray.slice(indices: Iterable<Int>): List<Float> {\n val size =
indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list = ArrayList<Float>(size)\n
for (index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n * Returns a list containing
elements at specified [indices].\n */\npublic fun DoubleArray.slice(indices: Iterable<Int>): List<Double> {\n val
size = indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list =
ArrayList<Double>(size)\n for (index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n *
Returns a list containing elements at specified [indices].\n */\npublic fun BooleanArray.slice(indices: Iterable<Int>):
List<Boolean> {\n val size = indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list
= ArrayList<Boolean>(size)\n for (index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n *
Returns a list containing elements at specified [indices].\n */\npublic fun CharArray.slice(indices: Iterable<Int>):
List<Char> {\n val size = indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list =
ArrayList<Char>(size)\n for (index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n *
Returns an array containing elements of this array at specified [indices].\n */\npublic fun <T>

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Array<T>.sliceArray(indices: Collection<Int>): Array<T> {\n  val result = arrayOfNulls(this, indices.size)\n  var\n  targetIndex = 0\n  for (sourceIndex in indices) {\n    result[targetIndex++] = this[sourceIndex]\n  }\n  return\n  result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun\nByteArray.sliceArray(indices: Collection<Int>): ByteArray {\n  val result = ByteArray(indices.size)\n  var\n  targetIndex = 0\n  for (sourceIndex in indices) {\n    result[targetIndex++] = this[sourceIndex]\n  }\n  return\n  result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun\nShortArray.sliceArray(indices: Collection<Int>): ShortArray {\n  val result = ShortArray(indices.size)\n  var\n  targetIndex = 0\n  for (sourceIndex in indices) {\n    result[targetIndex++] = this[sourceIndex]\n  }\n  return\n  result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun\nIntArray.sliceArray(indices: Collection<Int>): IntArray {\n  val result = IntArray(indices.size)\n  var targetIndex\n  = 0\n  for (sourceIndex in indices) {\n    result[targetIndex++] = this[sourceIndex]\n  }\n  return\n  result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun\nLongArray.sliceArray(indices: Collection<Int>): LongArray {\n  val result = LongArray(indices.size)\n  var\n  targetIndex = 0\n  for (sourceIndex in indices) {\n    result[targetIndex++] = this[sourceIndex]\n  }\n  return\n  result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun\nFloatArray.sliceArray(indices: Collection<Int>): FloatArray {\n  val result = FloatArray(indices.size)\n  var\n  targetIndex = 0\n  for (sourceIndex in indices) {\n    result[targetIndex++] = this[sourceIndex]\n  }\n  return\n  result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun\nDoubleArray.sliceArray(indices: Collection<Int>): DoubleArray {\n  val result = DoubleArray(indices.size)\n  var\n  targetIndex = 0\n  for (sourceIndex in indices) {\n    result[targetIndex++] = this[sourceIndex]\n  }\n  return\n  result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun\nBooleanArray.sliceArray(indices: Collection<Int>): BooleanArray {\n  val result = BooleanArray(indices.size)\n  var\n  targetIndex = 0\n  for (sourceIndex in indices) {\n    result[targetIndex++] = this[sourceIndex]\n  }\n  return\n  result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun\nCharArray.sliceArray(indices: Collection<Int>): CharArray {\n  val result = CharArray(indices.size)\n  var\n  targetIndex = 0\n  for (sourceIndex in indices) {\n    result[targetIndex++] = this[sourceIndex]\n  }\n  return\n  result\n}\n\n/**\n * Returns an array containing elements at indices in the specified [indices] range.\n */\n\npublic fun\n<T> Array<T>.sliceArray(indices: IntRange): Array<T> {\n  if (indices.isEmpty()) return copyOfRange(0, 0)\n  return\n  copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at\n  indices in the specified [indices] range.\n */\n\npublic fun\nByteArray.sliceArray(indices: IntRange): ByteArray {\n  if\n  (indices.isEmpty()) return ByteArray(0)\n  return\n  copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at indices in the specified [indices] range.\n */\n\npublic fun\nShortArray.sliceArray(indices: IntRange): ShortArray {\n  if (indices.isEmpty()) return ShortArray(0)\n  return\n  copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at indices\n  in the specified [indices] range.\n */\n\npublic fun\nIntArray.sliceArray(indices: IntRange): IntArray {\n  if\n  (indices.isEmpty()) return IntArray(0)\n  return\n  copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at indices in the specified [indices] range.\n */\n\npublic fun\nLongArray.sliceArray(indices: IntRange): LongArray {\n  if (indices.isEmpty()) return LongArray(0)\n  return\n  copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at indices\n  in the specified [indices] range.\n */\n\npublic fun\nFloatArray.sliceArray(indices: IntRange): FloatArray {\n  if\n  (indices.isEmpty()) return FloatArray(0)\n  return\n  copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at indices in the specified [indices] range.\n */\n\npublic fun\nDoubleArray.sliceArray(indices: IntRange): DoubleArray {\n  if (indices.isEmpty()) return DoubleArray(0)\n  return\n  copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at\n  indices in the specified [indices] range.\n */\n\npublic fun\nBooleanArray.sliceArray(indices: IntRange): BooleanArray\n{\n  if (indices.isEmpty()) return BooleanArray(0)\n  return\n  copyOfRange(indices.start, indices.endInclusive +\n  1)\n}\n\n/**\n * Returns an array containing elements at indices in the specified [indices] range.\n */\n\npublic fun\nCharArray.sliceArray(indices: IntRange): CharArray {\n  if (indices.isEmpty()) return CharArray(0)\n  return\n  copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at indices in the specified [indices] range.\n */\n\npublic fun\n
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copyOfRange(indices.start, indices.endInclusive + 1)\n\n/**\n * Returns a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun <T> Array<out T>.take(n: Int): List<T> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n if (n >=
size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n val list = ArrayList<T>(n)\n for
(item in this) {\n list.add(item)\n if (++count == n)\n break\n }\n return list\n}\n\n/**\n * Returns
a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun ByteArray.take(n: Int): List<Byte> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n if (n >=
size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n val list = ArrayList<Byte>(n)\n for
(item in this) {\n list.add(item)\n if (++count == n)\n break\n }\n return list\n}\n\n/**\n * Returns
a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun ShortArray.take(n: Int): List<Short> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n if (n >=
size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n val list = ArrayList<Short>(n)\n for
(item in this) {\n list.add(item)\n if (++count == n)\n break\n }\n return list\n}\n\n/**\n * Returns
a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun IntArray.take(n: Int): List<Int> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n if (n >=
size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n val list = ArrayList<Int>(n)\n for
(item in this) {\n list.add(item)\n if (++count == n)\n break\n }\n return list\n}\n\n/**\n * Returns
a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun LongArray.take(n: Int): List<Long> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n if (n >=
size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n val list = ArrayList<Long>(n)\n for
(item in this) {\n list.add(item)\n if (++count == n)\n break\n }\n return list\n}\n\n/**\n * Returns
a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun FloatArray.take(n: Int): List<Float> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n if (n >=
size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n val list = ArrayList<Float>(n)\n for
(item in this) {\n list.add(item)\n if (++count == n)\n break\n }\n return list\n}\n\n/**\n * Returns
a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun DoubleArray.take(n: Int): List<Double> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n if (n >=
size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n val list = ArrayList<Double>(n)\n
for (item in this) {\n list.add(item)\n if (++count == n)\n break\n }\n return list\n}\n\n/**\n *
Returns a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n *
@sample samples.collections.Collections.Transformations.take\n *^\npublic fun BooleanArray.take(n: Int):
List<Boolean> {\n require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return
emptyList()\n if (n >= size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n val list =
ArrayList<Boolean>(n)\n for (item in this) {\n list.add(item)\n if (++count == n)\n break\n }\n
return list\n}\n\n/**\n * Returns a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if
[n] is negative.\n * \n * @sample samples.collections.Collections.Transformations.take\n *^\npublic fun
CharArray.take(n: Int): List<Char> {\n require(n >= 0) { \"Requested element count $n is less than zero.\" }\n
if (n == 0) return emptyList()\n if (n >= size) return toList()\n if (n == 1) return listOf(this[0])\n var
count = 0\n val list = ArrayList<Char>(n)\n for (item in this) {\n list.add(item)\n if (++count == n)\n
break\n }\n return list\n}\n\n/**\n * Returns a list containing last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample

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samples.collections.Collections.Transformations.take\n *^\npublic fun <T> Array<out T>.takeLast(n: Int): List<T>
{\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return emptyList()\n  val
size = size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list =
ArrayList<T>(n)\n  for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n * Returns
a list containing last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun ByteArray.takeLast(n: Int): List<Byte> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return emptyList()\n  val size =
size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list = ArrayList<Byte>(n)\n
for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun ShortArray.takeLast(n: Int): List<Short> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return emptyList()\n  val size =
size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list = ArrayList<Short>(n)\n
for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun IntArray.takeLast(n: Int): List<Int> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return emptyList()\n  val size =
size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list = ArrayList<Int>(n)\n
for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun LongArray.takeLast(n: Int): List<Long> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return emptyList()\n  val size =
size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list = ArrayList<Long>(n)\n
for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun FloatArray.takeLast(n: Int): List<Float> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return emptyList()\n  val size =
size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list = ArrayList<Float>(n)\n
for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic fun DoubleArray.takeLast(n: Int): List<Double>
{\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return emptyList()\n  val
size = size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list =
ArrayList<Double>(n)\n  for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n *
Returns a list containing last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n *
@sample samples.collections.Collections.Transformations.take\n *^\npublic fun BooleanArray.takeLast(n: Int):
List<Boolean> {\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return
emptyList()\n  val size = size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list
= ArrayList<Boolean>(n)\n  for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n *
Returns a list containing last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n *
@sample samples.collections.Collections.Transformations.take\n *^\npublic fun CharArray.takeLast(n: Int):
List<Char> {\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return
emptyList()\n  val size = size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list
= ArrayList<Char>(n)\n  for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n *
Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic inline fun <T> Array<out
T>.takeLastWhile(predicate: (T) -> Boolean): List<T> {\n  for (index in lastIndex downTo 0) {\n    if
(!predicate(this[index])) {\n      return drop(index + 1)\n    }\n  }\n  return toList()\n}\n\n/**\n * Returns a

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list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun ByteArray.takeLastWhile(predicate:
(Byte) -> Boolean): List<Byte> {\n for (index in lastIndex downTo 0) {\n if (!predicate(this[index])) {\n
return drop(index + 1)\n } \n } \n return toList()\n}\n\n/**\n * Returns a list containing last elements
satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *\npublic
inline fun ShortArray.takeLastWhile(predicate: (Short) -> Boolean): List<Short> {\n for (index in lastIndex
downTo 0) {\n if (!predicate(this[index])) {\n return drop(index + 1)\n } \n } \n return
toList()\n}\n\n/**\n * Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun IntArray.takeLastWhile(predicate: (Int)
-> Boolean): List<Int> {\n for (index in lastIndex downTo 0) {\n if (!predicate(this[index])) {\n return
drop(index + 1)\n } \n } \n return toList()\n}\n\n/**\n * Returns a list containing last elements satisfying the
given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *\npublic inline fun
LongArray.takeLastWhile(predicate: (Long) -> Boolean): List<Long> {\n for (index in lastIndex downTo 0) {\n
if (!predicate(this[index])) {\n return drop(index + 1)\n } \n } \n return toList()\n}\n\n/**\n * Returns
a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun FloatArray.takeLastWhile(predicate:
(Float) -> Boolean): List<Float> {\n for (index in lastIndex downTo 0) {\n if (!predicate(this[index])) {\n
return drop(index + 1)\n } \n } \n return toList()\n}\n\n/**\n * Returns a list containing last elements
satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *\npublic
inline fun DoubleArray.takeLastWhile(predicate: (Double) -> Boolean): List<Double> {\n for (index in lastIndex
downTo 0) {\n if (!predicate(this[index])) {\n return drop(index + 1)\n } \n } \n return
toList()\n}\n\n/**\n * Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun
BooleanArray.takeLastWhile(predicate: (Boolean) -> Boolean): List<Boolean> {\n for (index in lastIndex
downTo 0) {\n if (!predicate(this[index])) {\n return drop(index + 1)\n } \n } \n return
toList()\n}\n\n/**\n * Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun CharArray.takeLastWhile(predicate:
(Char) -> Boolean): List<Char> {\n for (index in lastIndex downTo 0) {\n if (!predicate(this[index])) {\n
return drop(index + 1)\n } \n } \n return toList()\n}\n\n/**\n * Returns a list containing first elements
satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *\npublic
inline fun <T> Array<out T>.takeWhile(predicate: (T) -> Boolean): List<T> {\n val list = ArrayList<T>()\n for
(item in this) {\n if (!predicate(item))\n break\n list.add(item)\n } \n return list\n}\n\n/**\n *
Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun ByteArray.takeWhile(predicate: (Byte)
-> Boolean): List<Byte> {\n val list = ArrayList<Byte>()\n for (item in this) {\n if (!predicate(item))\n
break\n list.add(item)\n } \n return list\n}\n\n/**\n * Returns a list containing first elements satisfying the
given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *\npublic inline fun
ShortArray.takeWhile(predicate: (Short) -> Boolean): List<Short> {\n val list = ArrayList<Short>()\n for (item
in this) {\n if (!predicate(item))\n break\n list.add(item)\n } \n return list\n}\n\n/**\n * Returns a
list containing first elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun IntArray.takeWhile(predicate: (Int) ->
Boolean): List<Int> {\n val list = ArrayList<Int>()\n for (item in this) {\n if (!predicate(item))\n
break\n list.add(item)\n } \n return list\n}\n\n/**\n * Returns a list containing first elements satisfying the
given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *\npublic inline fun
LongArray.takeWhile(predicate: (Long) -> Boolean): List<Long> {\n val list = ArrayList<Long>()\n for (item
in this) {\n if (!predicate(item))\n break\n list.add(item)\n } \n return list\n}\n\n/**\n * Returns a
list containing first elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun FloatArray.takeWhile(predicate:

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(Float) -> Boolean): List<Float> {\n  val list = ArrayList<Float>()\n  for (item in this) {\n    if
(!predicate(item))\n      break\n      list.add(item)\n  }\n  return list}\n\n/n/**\n * Returns a list containing first
elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n
*/\npublic inline fun DoubleArray.takeWhile(predicate: (Double) -> Boolean): List<Double> {\n  val list =
ArrayList<Double>()\n  for (item in this) {\n    if (!predicate(item))\n      break\n      list.add(item)\n  }\n
return list}\n\n/n/**\n * Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n */\npublic inline fun BooleanArray.takeWhile(predicate:
(Boolean) -> Boolean): List<Boolean> {\n  val list = ArrayList<Boolean>()\n  for (item in this) {\n    if
(!predicate(item))\n      break\n      list.add(item)\n  }\n  return list}\n\n/n/**\n * Returns a list containing first
elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n
*/\npublic inline fun CharArray.takeWhile(predicate: (Char) -> Boolean): List<Char> {\n  val list =
ArrayList<Char>()\n  for (item in this) {\n    if (!predicate(item))\n      break\n      list.add(item)\n  }\n
return list}\n\n/n/**\n * Reverses elements in the array in-place.\n */\npublic fun <T> Array<T>.reverse(): Unit {\n
val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex = lastIndex\n  for (index in
0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n    this[reverseIndex] = tmp\n
reverseIndex--\n  }\n}\n\n/n/**\n * Reverses elements in the array in-place.\n */\npublic fun ByteArray.reverse():
Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex = lastIndex\n  for (index in
0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n    this[reverseIndex] = tmp\n
reverseIndex--\n  }\n}\n\n/n/**\n * Reverses elements in the array in-place.\n */\npublic fun ShortArray.reverse():
Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex = lastIndex\n  for (index in
0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n    this[reverseIndex] = tmp\n
reverseIndex--\n  }\n}\n\n/n/**\n * Reverses elements in the array in-place.\n */\npublic fun IntArray.reverse():
Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex = lastIndex\n  for (index in
0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n    this[reverseIndex] = tmp\n
reverseIndex--\n  }\n}\n\n/n/**\n * Reverses elements in the array in-place.\n */\npublic fun LongArray.reverse():
Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex = lastIndex\n  for (index in
0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n    this[reverseIndex] = tmp\n
reverseIndex--\n  }\n}\n\n/n/**\n * Reverses elements in the array in-place.\n */\npublic fun FloatArray.reverse():
Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex = lastIndex\n  for (index in
0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n    this[reverseIndex] = tmp\n
reverseIndex--\n  }\n}\n\n/n/**\n * Reverses elements in the array in-place.\n */\npublic fun
DoubleArray.reverse(): Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex =
lastIndex\n  for (index in 0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n
this[reverseIndex] = tmp\n    reverseIndex--\n  }\n}\n\n/n/**\n * Reverses elements in the array in-place.\n
*/\npublic fun BooleanArray.reverse(): Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var
reverseIndex = lastIndex\n  for (index in 0..midPoint) {\n    val tmp = this[index]\n    this[index] =
this[reverseIndex]\n    this[reverseIndex] = tmp\n    reverseIndex--\n  }\n}\n\n/n/**\n * Reverses elements in the
array in-place.\n */\npublic fun CharArray.reverse(): Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0)
return\n  var reverseIndex = lastIndex\n  for (index in 0..midPoint) {\n    val tmp = this[index]\n    this[index]
= this[reverseIndex]\n    this[reverseIndex] = tmp\n    reverseIndex--\n  }\n}\n\n/n/**\n * Reverses elements of
the array in the specified range in-place.\n * \n * @param fromIndex the start of the range (inclusive) to reverse.\n *
@param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n@SinceKotlin("1.4")\npublic fun <T>
Array<T>.reverse(fromIndex: Int, toIndex: Int): Unit {\n  AbstractList.checkRangeIndexes(fromIndex, toIndex,
size)\n  val midPoint = (fromIndex + toIndex) / 2\n  if (fromIndex == midPoint) return\n  var reverseIndex =
toIndex - 1\n  for (index in fromIndex until midPoint) {\n    val tmp = this[index]\n    this[index] =
this[reverseIndex]\n    this[reverseIndex] = tmp\n    reverseIndex--\n  }\n}\n\n/n/**\n * Reverses elements of the

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array in the specified range in-place.\n * \n * @param fromIndex the start of the range (inclusive) to reverse.\n *
@param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n@SinceKotlin("1.4")\npublic fun
ByteArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex,
size)\n    val midPoint = (fromIndex + toIndex) / 2\n    if (fromIndex == midPoint) return\n    var reverseIndex =
toIndex - 1\n    for (index in fromIndex until midPoint) {\n        val tmp = this[index]\n        this[index] =
this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    }\n}\n\n/**\n * Reverses elements of the
array in the specified range in-place.\n * \n * @param fromIndex the start of the range (inclusive) to reverse.\n *
@param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n@SinceKotlin("1.4")\npublic fun
ShortArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex,
size)\n    val midPoint = (fromIndex + toIndex) / 2\n    if (fromIndex == midPoint) return\n    var reverseIndex =
toIndex - 1\n    for (index in fromIndex until midPoint) {\n        val tmp = this[index]\n        this[index] =
this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    }\n}\n\n/**\n * Reverses elements of the
array in the specified range in-place.\n * \n * @param fromIndex the start of the range (inclusive) to reverse.\n *
@param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n@SinceKotlin("1.4")\npublic fun
IntArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex,
size)\n    val midPoint = (fromIndex + toIndex) / 2\n    if (fromIndex == midPoint) return\n    var reverseIndex =
toIndex - 1\n    for (index in fromIndex until midPoint) {\n        val tmp = this[index]\n        this[index] =
this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    }\n}\n\n/**\n * Reverses elements of the
array in the specified range in-place.\n * \n * @param fromIndex the start of the range (inclusive) to reverse.\n *
@param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n@SinceKotlin("1.4")\npublic fun
LongArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex,
size)\n    val midPoint = (fromIndex + toIndex) / 2\n    if (fromIndex == midPoint) return\n    var reverseIndex =
toIndex - 1\n    for (index in fromIndex until midPoint) {\n        val tmp = this[index]\n        this[index] =
this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    }\n}\n\n/**\n * Reverses elements of the
array in the specified range in-place.\n * \n * @param fromIndex the start of the range (inclusive) to reverse.\n *
@param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n@SinceKotlin("1.4")\npublic fun
FloatArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex,
size)\n    val midPoint = (fromIndex + toIndex) / 2\n    if (fromIndex == midPoint) return\n    var reverseIndex =
toIndex - 1\n    for (index in fromIndex until midPoint) {\n        val tmp = this[index]\n        this[index] =
this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    }\n}\n\n/**\n * Reverses elements of the
array in the specified range in-place.\n * \n * @param fromIndex the start of the range (inclusive) to reverse.\n *
@param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n@SinceKotlin("1.4")\npublic fun
DoubleArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex,
size)\n    val midPoint = (fromIndex + toIndex) / 2\n    if (fromIndex == midPoint) return\n    var reverseIndex =
toIndex - 1\n    for (index in fromIndex until midPoint) {\n        val tmp = this[index]\n        this[index] =
this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    }\n}\n\n/**\n * Reverses elements of the

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array in the specified range in-place.\n * \n * @param fromIndex the start of the range (inclusive) to reverse.\n *
@param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].\n *^\n@SinceKotlin("1.4")\npublic fun
BooleanArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    AbstractList.checkRangeIndexes(fromIndex,
toIndex, size)\n    val midPoint = (fromIndex + toIndex) / 2\n    if (fromIndex == midPoint) return\n    var
reverseIndex = toIndex - 1\n    for (index in fromIndex until midPoint) {\n        val tmp = this[index]\n
this[index] = this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    }\n}\n\n/**\n * Reverses
elements of the array in the specified range in-place.\n * \n * @param fromIndex the start of the range (inclusive) to
reverse.\n * @param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
@throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n *^\n@SinceKotlin("1.4")\npublic
fun CharArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    AbstractList.checkRangeIndexes(fromIndex,
toIndex, size)\n    val midPoint = (fromIndex + toIndex) / 2\n    if (fromIndex == midPoint) return\n    var
reverseIndex = toIndex - 1\n    for (index in fromIndex until midPoint) {\n        val tmp = this[index]\n
this[index] = this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    }\n}\n\n/**\n * Returns a
list with elements in reversed order.\n *^\npublic fun <T> Array<out T>.reversed(): List<T> {\n    if (isEmpty())
return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with
elements in reversed order.\n *^\npublic fun ByteArray.reversed(): List<Byte> {\n    if (isEmpty()) return
emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements
in reversed order.\n *^\npublic fun ShortArray.reversed(): List<Short> {\n    if (isEmpty()) return emptyList()\n    val
list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n
*^\npublic fun IntArray.reversed(): List<Int> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n
list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n *^\npublic fun
LongArray.reversed(): List<Long> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n
list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n *^\npublic fun
FloatArray.reversed(): List<Float> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n
list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n *^\npublic fun
DoubleArray.reversed(): List<Double> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n
list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n *^\npublic fun
BooleanArray.reversed(): List<Boolean> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n
list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n *^\npublic fun
CharArray.reversed(): List<Char> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n
list.reverse()\n    return list\n}\n\n/**\n * Returns an array with elements of this array in reversed order.\n *^\npublic
fun <T> Array<T>.reversedArray(): Array<T> {\n    if (isEmpty()) return this\n    val result = arrayOfNulls(this,
size)\n    val lastIndex = lastIndex\n    for (i in 0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return
result\n}\n\n/**\n * Returns an array with elements of this array in reversed order.\n *^\npublic fun
ByteArray.reversedArray(): ByteArray {\n    if (isEmpty()) return this\n    val result = ByteArray(size)\n    val
lastIndex = lastIndex\n    for (i in 0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return result\n}\n\n/**\n *
Returns an array with elements of this array in reversed order.\n *^\npublic fun ShortArray.reversedArray():
ShortArray {\n    if (isEmpty()) return this\n    val result = ShortArray(size)\n    val lastIndex = lastIndex\n    for (i
in 0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return result\n}\n\n/**\n * Returns an array with elements of this
array in reversed order.\n *^\npublic fun IntArray.reversedArray(): IntArray {\n    if (isEmpty()) return this\n    val
result = IntArray(size)\n    val lastIndex = lastIndex\n    for (i in 0..lastIndex)\n        result[lastIndex - i] =
this[i]\n    return result\n}\n\n/**\n * Returns an array with elements of this array in reversed order.\n *^\npublic fun
LongArray.reversedArray(): LongArray {\n    if (isEmpty()) return this\n    val result = LongArray(size)\n    val
lastIndex = lastIndex\n    for (i in 0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return result\n}\n\n/**\n *
Returns an array with elements of this array in reversed order.\n *^\npublic fun FloatArray.reversedArray():

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FloatArray {
    if (isEmpty()) return this
    val result = FloatArray(size)
    val lastIndex = lastIndex
    for (i in 0..lastIndex)
        result[lastIndex - i] = this[i]
    return result
}

/**
 * Returns an array with elements of this
 * array in reversed order.
 */
public fun DoubleArray.reversedArray(): DoubleArray {
    if (isEmpty()) return
    this
    val result = DoubleArray(size)
    val lastIndex = lastIndex
    for (i in 0..lastIndex)
        result[lastIndex - i] = this[i]
    return result
}

/**
 * Returns an array with elements of this array in reversed order.
 */
public fun BooleanArray.reversedArray(): BooleanArray {
    if (isEmpty()) return this
    val result =
    BooleanArray(size)
    val lastIndex = lastIndex
    for (i in 0..lastIndex)
        result[lastIndex - i] = this[i]
    return result
}

/**
 * Returns an array with elements of this array in reversed order.
 */
public fun
CharArray.reversedArray(): CharArray {
    if (isEmpty()) return this
    val result = CharArray(size)
    val
    lastIndex = lastIndex
    for (i in 0..lastIndex)
        result[lastIndex - i] = this[i]
    return result
}

/**
 * Randomly shuffles elements in this array in-place.
 */
@SinceKotlin("1.4")
public fun <T>
Array<T>.shuffle(): Unit {
    shuffle(Random)
}

/**
 * Randomly shuffles elements in this array in-place.
 */
@SinceKotlin("1.4")
public fun ByteArray.shuffle(): Unit {
    shuffle(Random)
}

/**
 * Randomly
 * shuffles elements in this array in-place.
 */
@SinceKotlin("1.4")
public fun ShortArray.shuffle(): Unit {
    shuffle(Random)
}

/**
 * Randomly shuffles elements in this array in-place.
 */
@SinceKotlin("1.4")
public fun IntArray.shuffle(): Unit {
    shuffle(Random)
}

/**
 * Randomly
 * shuffles elements in this array in-place.
 */
@SinceKotlin("1.4")
public fun LongArray.shuffle(): Unit {
    shuffle(Random)
}

/**
 * Randomly shuffles elements in this array in-place.
 */
@SinceKotlin("1.4")
public fun FloatArray.shuffle(): Unit {
    shuffle(Random)
}

/**
 * Randomly
 * shuffles elements in this array in-place.
 */
@SinceKotlin("1.4")
public fun DoubleArray.shuffle(): Unit {
    shuffle(Random)
}

/**
 * Randomly
 * shuffles elements in this array in-place.
 */
@SinceKotlin("1.4")
public fun BooleanArray.shuffle(): Unit {
    shuffle(Random)
}

/**
 * Randomly
 * shuffles elements in this array in-place using the specified [random]
 * instance as the source of randomness.
 */
* * See:
https://en.wikipedia.org/wiki/Fisher%20%93Yates\_shuffle#The\_modern\_algorithm
}

@SinceKotlin("1.4")
public fun <T> Array<T>.shuffle(random: Random): Unit {
    for (i in lastIndex
    downTo 1) {
        val j = random.nextInt(i + 1)
        val copy = this[i]
        this[i] = this[j]
        this[j] = copy
    }
}

/**
 * Randomly shuffles elements in this array in-place using the specified [random] instance as the
 * source of randomness.
 */
* * See:
https://en.wikipedia.org/wiki/Fisher%20%93Yates\_shuffle#The\_modern\_algorithm
}

@SinceKotlin("1.4")
public fun ByteArray.shuffle(random: Random): Unit {
    for (i in lastIndex downTo
    1) {
        val j = random.nextInt(i + 1)
        val copy = this[i]
        this[i] = this[j]
        this[j] = copy
    }
}

/**
 * Randomly shuffles elements in this array in-place using the specified [random] instance as the
 * source of randomness.
 */
* * See:
https://en.wikipedia.org/wiki/Fisher%20%93Yates\_shuffle#The\_modern\_algorithm
}

@SinceKotlin("1.4")
public fun ShortArray.shuffle(random: Random): Unit {
    for (i in lastIndex downTo
    1) {
        val j = random.nextInt(i + 1)
        val copy = this[i]
        this[i] = this[j]
        this[j] = copy
    }
}

/**
 * Randomly shuffles elements in this array in-place using the specified [random] instance as the
 * source of randomness.
 */
* * See:
https://en.wikipedia.org/wiki/Fisher%20%93Yates\_shuffle#The\_modern\_algorithm
}

@SinceKotlin("1.4")
public fun IntArray.shuffle(random: Random): Unit {
    for (i in lastIndex downTo 1)
    {
        val j = random.nextInt(i + 1)
        val copy = this[i]
        this[i] = this[j]
        this[j] = copy
    }
}

/**
 * Randomly shuffles elements in this array in-place using the specified [random] instance as the
 * source of randomness.
 */
* * See:
https://en.wikipedia.org/wiki/Fisher%20%93Yates\_shuffle#The\_modern\_algorithm
}

@SinceKotlin("1.4")
public fun LongArray.shuffle(random: Random): Unit {
    for (i in lastIndex downTo
    1) {
        val j = random.nextInt(i + 1)
        val copy = this[i]
        this[i] = this[j]
        this[j] = copy
    }
}

```

} \n \n \n /\*\* \n \* Randomly shuffles elements in this array in-place using the specified [random] instance as the source of randomness. \n \* \n \* See:  
[https://en.wikipedia.org/wiki/Fisher%E2%80%93Yates\\_shuffle#The\\_modern\\_algorithm](https://en.wikipedia.org/wiki/Fisher%E2%80%93Yates_shuffle#The_modern_algorithm)\n

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* \n @SinceKotlin("1.4") \n public fun FloatArray.shuffle(random: Random): Unit { \n     for (i in lastIndex downTo 1) { \n         val j = random.nextInt(i + 1) \n         val copy = this[i] \n         this[i] = this[j] \n         this[j] = copy \n     } \n } \n \n /** \n * Randomly shuffles elements in this array in-place using the specified [random] instance as the source of randomness. \n * \n * See:  

https://en.wikipedia.org/wiki/Fisher%E2%80%93Yates\_shuffle#The\_modern\_algorithm\n

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* \n @SinceKotlin("1.4") \n public fun DoubleArray.shuffle(random: Random): Unit { \n     for (i in lastIndex downTo 1) { \n         val j = random.nextInt(i + 1) \n         val copy = this[i] \n         this[i] = this[j] \n         this[j] = copy \n     } \n } \n \n /** \n * Randomly shuffles elements in this array in-place using the specified [random] instance as the source of randomness. \n * \n * See:  

https://en.wikipedia.org/wiki/Fisher%E2%80%93Yates\_shuffle#The\_modern\_algorithm\n

```

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* \n @SinceKotlin("1.4") \n public fun BooleanArray.shuffle(random: Random): Unit { \n     for (i in lastIndex downTo 1) { \n         val j = random.nextInt(i + 1) \n         val copy = this[i] \n         this[i] = this[j] \n         this[j] = copy \n     } \n } \n \n /** \n * Randomly shuffles elements in this array in-place using the specified [random] instance as the source of randomness. \n * \n * See:  

https://en.wikipedia.org/wiki/Fisher%E2%80%93Yates\_shuffle#The\_modern\_algorithm\n

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* \n @SinceKotlin("1.4") \n public fun CharArray.shuffle(random: Random): Unit { \n     for (i in lastIndex downTo 1) { \n         val j = random.nextInt(i + 1) \n         val copy = this[i] \n         this[i] = this[j] \n         this[j] = copy \n     } \n } \n \n /** \n * Sorts elements in the array in-place according to natural sort order of the value returned by specified [selector] function. \n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting. \n * \n public inline fun <T, R : Comparable<R>> Array<out T>.sortBy(crossinline selector: (T) -> R?): Unit { \n     if (size > 1) sortByWith(compareBy(selector)) \n } \n \n /** \n * Sorts elements in the array in-place descending according to natural sort order of the value returned by specified [selector] function. \n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting. \n * \n public inline fun <T, R : Comparable<R>> Array<out T>.sortByDescending(crossinline selector: (T) -> R?): Unit { \n     if (size > 1) sortByDescendingWith(compareByDescending(selector)) \n } \n \n /** \n * Sorts elements in the array in-place descending according to their natural sort order. \n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting. \n * \n public fun <T : Comparable<T>> Array<out T>.sortDescending(): Unit { \n     sortByDescending(reverseOrder()) \n } \n \n /** \n * Sorts elements in the array in-place descending according to their natural sort order. \n * \n public fun ByteArray.sortDescending(): Unit { \n     if (size > 1) { \n         sort() \n         reverse() \n     } \n } \n \n /** \n * Sorts elements in the array in-place descending according to their natural sort order. \n * \n public fun ShortArray.sortDescending(): Unit { \n     if (size > 1) { \n         sort() \n         reverse() \n     } \n } \n \n /** \n * Sorts elements in the array in-place descending according to their natural sort order. \n * \n public fun IntArray.sortDescending(): Unit { \n     if (size > 1) { \n         sort() \n         reverse() \n     } \n } \n \n /** \n * Sorts elements in the array in-place descending according to their natural sort order. \n * \n public fun LongArray.sortDescending(): Unit { \n     if (size > 1) { \n         sort() \n         reverse() \n     } \n } \n \n /** \n * Sorts elements in the array in-place descending according to their natural sort order. \n * \n public fun FloatArray.sortDescending(): Unit { \n     if (size > 1) { \n         sort() \n         reverse() \n     } \n } \n \n /** \n * Sorts elements in the array in-place descending according to their natural sort order. \n * \n public fun DoubleArray.sortDescending(): Unit { \n     if (size > 1) { \n         sort() \n         reverse() \n     } \n } \n \n /** \n * Sorts elements in the array in-place descending according to their natural sort order. \n * \n public fun CharArray.sortDescending(): Unit { \n     if (size > 1) { \n         sort() \n         reverse() \n     } \n } \n \n /** \n * Returns a list of all elements sorted according to their natural sort order. \n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting. \n * \n public fun <T : Comparable<T>> Array<out T>.sorted(): List<T> { \n     return sortedArray().asList() \n } \n \n /** \n * Returns a list of all elements sorted according to their natural sort order. \n * \n public fun ByteArray.sorted(): List<Byte> { \n     return toTypedArray().apply { sort() }.asList() \n } \n \n /** \n * Returns a list of all elements sorted according to their natural

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sort order.\n */\npublic fun ShortArray.sorted(): List<Short> {\n    return toTypedArray().apply { sort()
}.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\npublic fun
IntArray.sorted(): List<Int> {\n    return toTypedArray().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all
elements sorted according to their natural sort order.\n */\npublic fun LongArray.sorted(): List<Long> {\n    return
toTypedArray().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural
sort order.\n */\npublic fun FloatArray.sorted(): List<Float> {\n    return toTypedArray().apply { sort()
}.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\npublic fun
DoubleArray.sorted(): List<Double> {\n    return toTypedArray().apply { sort() }.asList()\n}\n\n/**\n * Returns a
list of all elements sorted according to their natural sort order.\n */\npublic fun CharArray.sorted(): List<Char> {\n
return toTypedArray().apply { sort() }.asList()\n}\n\n/**\n * Returns an array with all elements of this array sorted
according to their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order
relative to each other after sorting.\n */\npublic fun <T : Comparable<T>> Array<T>.sortedArray(): Array<T> {\n
if (isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun ByteArray.sortedArray(): ByteArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun ShortArray.sortedArray(): ShortArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun IntArray.sortedArray(): IntArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun LongArray.sortedArray(): LongArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun FloatArray.sortedArray(): FloatArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun DoubleArray.sortedArray(): DoubleArray {\n
if (isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements
of this array sorted according to their natural sort order.\n */\npublic fun CharArray.sortedArray(): CharArray {\n
if (isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted descending according to their natural sort order.\n * \n * The sort is _stable_. It means that equal
elements preserve their order relative to each other after sorting.\n */\npublic fun <T : Comparable<T>>
Array<T>.sortedArrayDescending(): Array<T> {\n    if (isEmpty()) return this\n    return this.copyOf().apply {
sortWith(reverseOrder()) }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending
according to their natural sort order.\n */\npublic fun ByteArray.sortedArrayDescending(): ByteArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all
elements of this array sorted descending according to their natural sort order.\n */\npublic fun
ShortArray.sortedArrayDescending(): ShortArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply {
sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to
their natural sort order.\n */\npublic fun IntArray.sortedArrayDescending(): IntArray {\n    if (isEmpty()) return
this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this
array sorted descending according to their natural sort order.\n */\npublic fun LongArray.sortedArrayDescending():
LongArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns
an array with all elements of this array sorted descending according to their natural sort order.\n */\npublic fun
FloatArray.sortedArrayDescending(): FloatArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply {
sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to
their natural sort order.\n */\npublic fun DoubleArray.sortedArrayDescending(): DoubleArray {\n    if (isEmpty())
return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted descending according to their natural sort order.\n */\npublic fun
CharArray.sortedArrayDescending(): CharArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply {
sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted according the specified

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[comparator].\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other
after sorting.\n */\npublic fun <T> Array<out T>.sortedArrayWith(comparator: Comparator<in T>): Array<out T>
{\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortWith(comparator) }\n}\n\n/**\n * Returns a list
of all elements sorted according to natural sort order of the value returned by specified [selector] function.\n * \n *
The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n * \n *
@sample samples.collections.Collections.Sorting.sortedBy\n */\npublic inline fun <T, R : Comparable<R>>
Array<out T>.sortedBy(crossinline selector: (T) -> R?): List<T> {\n    return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order
of the value returned by specified [selector] function.\n * \n * @sample
samples.collections.Collections.Sorting.sortedBy\n */\npublic inline fun <R : Comparable<R>>
ByteArray.sortedBy(crossinline selector: (Byte) -> R?): List<Byte> {\n    return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order
of the value returned by specified [selector] function.\n * \n * @sample
samples.collections.Collections.Sorting.sortedBy\n */\npublic inline fun <R : Comparable<R>>
ShortArray.sortedBy(crossinline selector: (Short) -> R?): List<Short> {\n    return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order
of the value returned by specified [selector] function.\n * \n * @sample
samples.collections.Collections.Sorting.sortedBy\n */\npublic inline fun <R : Comparable<R>>
IntArray.sortedBy(crossinline selector: (Int) -> R?): List<Int> {\n    return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order
of the value returned by specified [selector] function.\n * \n * @sample
samples.collections.Collections.Sorting.sortedBy\n */\npublic inline fun <R : Comparable<R>>
LongArray.sortedBy(crossinline selector: (Long) -> R?): List<Long> {\n    return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order
of the value returned by specified [selector] function.\n * \n * @sample
samples.collections.Collections.Sorting.sortedBy\n */\npublic inline fun <R : Comparable<R>>
FloatArray.sortedBy(crossinline selector: (Float) -> R?): List<Float> {\n    return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order
of the value returned by specified [selector] function.\n * \n * @sample
samples.collections.Collections.Sorting.sortedBy\n */\npublic inline fun <R : Comparable<R>>
DoubleArray.sortedBy(crossinline selector: (Double) -> R?): List<Double> {\n    return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order
of the value returned by specified [selector] function.\n * \n * @sample
samples.collections.Collections.Sorting.sortedBy\n */\npublic inline fun <R : Comparable<R>>
BooleanArray.sortedBy(crossinline selector: (Boolean) -> R?): List<Boolean> {\n    return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order
of the value returned by specified [selector] function.\n * \n * @sample
samples.collections.Collections.Sorting.sortedBy\n */\npublic inline fun <R : Comparable<R>>
CharArray.sortedBy(crossinline selector: (Char) -> R?): List<Char> {\n    return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to natural
sort order of the value returned by specified [selector] function.\n * \n * The sort is _stable_. It means that equal
elements preserve their order relative to each other after sorting.\n */\npublic inline fun <T, R : Comparable<R>>
Array<out T>.sortedByDescending(crossinline selector: (T) -> R?): List<T> {\n    return
sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending
according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R :
Comparable<R>> ByteArray.sortedByDescending(crossinline selector: (Byte) -> R?): List<Byte> {\n    return
sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending
according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R :

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Comparable<R>> ShortArray.sortedByDescending(crossinline selector: (Short) -> R?): List<Short> {\n return sortedWith(compareByDescending(selector))\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n \*/\npublic inline fun <R : Comparable<R>> IntArray.sortedByDescending(crossinline selector: (Int) -> R?): List<Int> {\n return sortedWith(compareByDescending(selector))\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n \*/\npublic inline fun <R : Comparable<R>> LongArray.sortedByDescending(crossinline selector: (Long) -> R?): List<Long> {\n return sortedWith(compareByDescending(selector))\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n \*/\npublic inline fun <R : Comparable<R>> FloatArray.sortedByDescending(crossinline selector: (Float) -> R?): List<Float> {\n return sortedWith(compareByDescending(selector))\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n \*/\npublic inline fun <R : Comparable<R>> DoubleArray.sortedByDescending(crossinline selector: (Double) -> R?): List<Double> {\n return sortedWith(compareByDescending(selector))\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n \*/\npublic inline fun <R : Comparable<R>> BooleanArray.sortedByDescending(crossinline selector: (Boolean) -> R?): List<Boolean> {\n return sortedWith(compareByDescending(selector))\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n \*/\npublic inline fun <R : Comparable<R>> CharArray.sortedByDescending(crossinline selector: (Char) -> R?): List<Char> {\n return sortedWith(compareByDescending(selector))\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to their natural sort order.\n \* \n \* The sort is `_stable_`. It means that equal elements preserve their order relative to each other after sorting.\n \*/\npublic fun <T : Comparable<T>> Array<out T>.sortedDescending(): List<T> {\n return sortedWith(reverseOrder())\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to their natural sort order.\n \*/\npublic fun ByteArray.sortedDescending(): List<Byte> {\n return copyOf().apply { sort() }.reversed()\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to their natural sort order.\n \*/\npublic fun ShortArray.sortedDescending(): List<Short> {\n return copyOf().apply { sort() }.reversed()\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to their natural sort order.\n \*/\npublic fun IntArray.sortedDescending(): List<Int> {\n return copyOf().apply { sort() }.reversed()\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to their natural sort order.\n \*/\npublic fun LongArray.sortedDescending(): List<Long> {\n return copyOf().apply { sort() }.reversed()\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to their natural sort order.\n \*/\npublic fun FloatArray.sortedDescending(): List<Float> {\n return copyOf().apply { sort() }.reversed()\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to their natural sort order.\n \*/\npublic fun DoubleArray.sortedDescending(): List<Double> {\n return copyOf().apply { sort() }.reversed()\n}\n\n/\*\*\n \* Returns a list of all elements sorted descending according to their natural sort order.\n \*/\npublic fun CharArray.sortedDescending(): List<Char> {\n return copyOf().apply { sort() }.reversed()\n}\n\n/\*\*\n \* Returns a list of all elements sorted according to the specified [comparator].\n \* \n \* The sort is `_stable_`. It means that equal elements preserve their order relative to each other after sorting.\n \*/\npublic fun <T> Array<out T>.sortedWith(comparator: Comparator<in T>): List<T> {\n return sortedArrayWith(comparator).asList()\n}\n\n/\*\*\n \* Returns a list of all elements sorted according to the specified [comparator].\n \*/\npublic fun ByteArray.sortedWith(comparator: Comparator<in Byte>): List<Byte> {\n return toTypedArray().apply { sortWith(comparator) }.asList()\n}\n\n/\*\*\n \* Returns a list of all elements sorted according to the specified [comparator].\n \*/\npublic fun ShortArray.sortedWith(comparator: Comparator<in Short>): List<Short> {\n return toTypedArray().apply { sortWith(comparator) }.asList()\n}\n\n/\*\*\n \* Returns a list of all elements sorted according to the specified [comparator].\n \*/\npublic fun IntArray.sortedWith(comparator: Comparator<in Int>): List<Int> {\n return toTypedArray().apply { sortWith(comparator) }.asList()\n}\n\n/\*\*\n \* Returns a list of all elements sorted according to the specified [comparator].\n \*/\npublic fun LongArray.sortedWith(comparator: Comparator<in Long>): List<Long> {\n return toTypedArray().apply {

`sortedWith(comparator) }.asList()` Returns a list of all elements sorted according to the specified `[comparator]`.

`FloatArray.sortedWith(comparator: Comparator<in Float>): List<Float>` Returns a list of all elements sorted according to the specified `[comparator]`.

`DoubleArray.sortedWith(comparator: Comparator<in Double>): List<Double>` Returns a list of all elements sorted according to the specified `[comparator]`.

`BooleanArray.sortedWith(comparator: Comparator<in Boolean>): List<Boolean>` Returns a list of all elements sorted according to the specified `[comparator]`.

`CharArray.sortedWith(comparator: Comparator<in Char>): List<Char>` Returns a list of all elements sorted according to the specified `[comparator]`.

`Array<out T>.asList(): List<T>` Returns a [List] that wraps the original array.

`ByteArray.asList(): List<Byte>` Returns a [List] that wraps the original array.

`ShortArray.asList(): List<Short>` Returns a [List] that wraps the original array.

`IntArray.asList(): List<Int>` Returns a [List] that wraps the original array.

`LongArray.asList(): List<Long>` Returns a [List] that wraps the original array.

`FloatArray.asList(): List<Float>` Returns a [List] that wraps the original array.

`DoubleArray.asList(): List<Double>` Returns a [List] that wraps the original array.

`BooleanArray.asList(): List<Boolean>` Returns a [List] that wraps the original array.

`CharArray.asList(): List<Char>` Returns `true` if the two specified arrays are *deeply* equal to one another, i.e. contain the same number of the same elements in the same order. If two corresponding elements are nested arrays, they are also compared deeply. If any of arrays contains itself on any nesting level the behavior is undefined. The elements of other types are compared for equality with the `[equals][Any.equals]` function. For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.

`contentDeepEquals(other: Array<out T>): Boolean` Returns `true` if the two specified arrays are *deeply* equal to one another, i.e. contain the same number of the same elements in the same order. The specified arrays are also considered deeply equal if both are `null`. If two corresponding elements are nested arrays, they are also compared deeply. If any of arrays contains itself on any nesting level the behavior is undefined. The elements of other types are compared for equality with the `[equals][Any.equals]` function. For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.

`contentDeepHashCode(): Int` Returns a hash code based on the contents of this array as if it is [List]. Nested arrays are treated as lists too. If any of arrays contains itself on any nesting level the behavior is undefined.

`contentDeepToString(): String` Returns a string representation of the contents of this array as if it is a [List]. Nested arrays are treated as lists too. If any of arrays contains itself on any nesting level that reference is rendered as `"[...]"` to prevent recursion.

`contentDeepToString(): String` Returns `true` if the two specified arrays are *structurally* equal to one another, i.e. contain the same number of the same elements in the same order.

\* The elements are compared for equality with the [equals][Any.equals] function.\n \* For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n \*/\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect infix fun <T> Array<out T>.contentEquals(other: Array<out T>): Boolean\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n\n \* The elements are compared for equality with the [equals][Any.equals] function.\n \* For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n \*/\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect infix fun ByteArray.contentEquals(other: ByteArray): Boolean\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n\n \* The elements are compared for equality with the [equals][Any.equals] function.\n \* For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n \*/\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect infix fun ShortArray.contentEquals(other: ShortArray): Boolean\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n\n \* The elements are compared for equality with the [equals][Any.equals] function.\n \* For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n \*/\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect infix fun IntArray.contentEquals(other: IntArray): Boolean\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n\n \* The elements are compared for equality with the [equals][Any.equals] function.\n \* For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n \*/\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect infix fun LongArray.contentEquals(other: LongArray): Boolean\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n\n \* The elements are compared for equality with the [equals][Any.equals] function.\n \* For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n \*/\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect infix fun FloatArray.contentEquals(other: FloatArray): Boolean\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n\n \* The elements are compared for equality with the [equals][Any.equals] function.\n \* For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n \*/\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect infix fun DoubleArray.contentEquals(other: DoubleArray): Boolean\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n\n \* The elements are compared for equality with the [equals][Any.equals] function.\n \* For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n \*/\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect infix fun BooleanArray.contentEquals(other: BooleanArray): Boolean\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n\n \* The elements are compared for equality with the [equals][Any.equals] function.\n \* For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n \*/\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect infix fun CharArray.contentEquals(other: CharArray): Boolean\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same



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[List].\n *\n@Deprecated(\nUse Kotlin compiler 1.4 to avoid deprecation
warning.\n)\n@SinceKotlin(\n1.1\n)\n@DeprecatedSinceKotlin(hiddenSince = \n1.4\n)\npublic expect fun
LongArray.contentHashCode(): Int\n\n**\n * Returns a hash code based on the contents of this array as if it is
[List].\n *\n@Deprecated(\nUse Kotlin compiler 1.4 to avoid deprecation
warning.\n)\n@SinceKotlin(\n1.1\n)\n@DeprecatedSinceKotlin(hiddenSince = \n1.4\n)\npublic expect fun
FloatArray.contentHashCode(): Int\n\n**\n * Returns a hash code based on the contents of this array as if it is
[List].\n *\n@Deprecated(\nUse Kotlin compiler 1.4 to avoid deprecation
warning.\n)\n@SinceKotlin(\n1.1\n)\n@DeprecatedSinceKotlin(hiddenSince = \n1.4\n)\npublic expect fun
DoubleArray.contentHashCode(): Int\n\n**\n * Returns a hash code based on the contents of this array as if it is
[List].\n *\n@Deprecated(\nUse Kotlin compiler 1.4 to avoid deprecation
warning.\n)\n@SinceKotlin(\n1.1\n)\n@DeprecatedSinceKotlin(hiddenSince = \n1.4\n)\npublic expect fun
BooleanArray.contentHashCode(): Int\n\n**\n * Returns a hash code based on the contents of this array as if it is
[List].\n *\n@Deprecated(\nUse Kotlin compiler 1.4 to avoid deprecation
warning.\n)\n@SinceKotlin(\n1.1\n)\n@DeprecatedSinceKotlin(hiddenSince = \n1.4\n)\npublic expect fun
CharArray.contentHashCode(): Int\n\n**\n * Returns a hash code based on the contents of this array as if it is
[List].\n *\n@SinceKotlin(\n1.4\n)\npublic expect fun <T> Array<out T>?.contentHashCode(): Int\n\n**\n *
Returns a hash code based on the contents of this array as if it is [List].\n *\n@SinceKotlin(\n1.4\n)\npublic expect
fun ByteArray?.contentHashCode(): Int\n\n**\n * Returns a hash code based on the contents of this array as if it is
[List].\n *\n@SinceKotlin(\n1.4\n)\npublic expect fun ShortArray?.contentHashCode(): Int\n\n**\n * Returns a
hash code based on the contents of this array as if it is [List].\n *\n@SinceKotlin(\n1.4\n)\npublic expect fun
IntArray?.contentHashCode(): Int\n\n**\n * Returns a hash code based on the contents of this array as if it is
[List].\n *\n@SinceKotlin(\n1.4\n)\npublic expect fun LongArray?.contentHashCode(): Int\n\n**\n * Returns a
hash code based on the contents of this array as if it is [List].\n *\n@SinceKotlin(\n1.4\n)\npublic expect fun
FloatArray?.contentHashCode(): Int\n\n**\n * Returns a hash code based on the contents of this array as if it is
[List].\n *\n@SinceKotlin(\n1.4\n)\npublic expect fun DoubleArray?.contentHashCode(): Int\n\n**\n * Returns a
hash code based on the contents of this array as if it is [List].\n *\n@SinceKotlin(\n1.4\n)\npublic expect fun
BooleanArray?.contentHashCode(): Int\n\n**\n * Returns a hash code based on the contents of this array as if it is
[List].\n *\n@SinceKotlin(\n1.4\n)\npublic expect fun CharArray?.contentHashCode(): Int\n\n**\n * Returns a
string representation of the contents of the specified array as if it is [List].\n *\n\n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n *\n@Deprecated(\nUse Kotlin compiler 1.4 to
avoid deprecation warning.\n)\n@SinceKotlin(\n1.1\n)\n@DeprecatedSinceKotlin(hiddenSince = \n1.4\n)\npublic
expect fun <T> Array<out T>.contentToString(): String\n\n**\n * Returns a string representation of the contents of
the specified array as if it is [List].\n *\n\n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n *\n@Deprecated(\nUse Kotlin compiler 1.4 to
avoid deprecation warning.\n)\n@SinceKotlin(\n1.1\n)\n@DeprecatedSinceKotlin(hiddenSince = \n1.4\n)\npublic
expect fun ByteArray.contentToString(): String\n\n**\n * Returns a string representation of the contents of the
specified array as if it is [List].\n *\n\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@Deprecated(\nUse Kotlin compiler 1.4 to avoid deprecation
warning.\n)\n@SinceKotlin(\n1.1\n)\n@DeprecatedSinceKotlin(hiddenSince = \n1.4\n)\npublic expect fun
ShortArray.contentToString(): String\n\n**\n * Returns a string representation of the contents of the specified array
as if it is [List].\n *\n\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@Deprecated(\nUse Kotlin compiler 1.4 to avoid deprecation
warning.\n)\n@SinceKotlin(\n1.1\n)\n@DeprecatedSinceKotlin(hiddenSince = \n1.4\n)\npublic expect fun
IntArray.contentToString(): String\n\n**\n * Returns a string representation of the contents of the specified array as
if it is [List].\n *\n\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@Deprecated(\nUse Kotlin compiler 1.4 to avoid deprecation
warning.\n)\n@SinceKotlin(\n1.1\n)\n@DeprecatedSinceKotlin(hiddenSince = \n1.4\n)\npublic expect fun
LongArray.contentToString(): String\n\n**\n * Returns a string representation of the contents of the specified array

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as if it is [List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation
warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect fun
FloatArray.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array
as if it is [List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation
warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect fun
DoubleArray.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified
array as if it is [List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation
warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect fun
BooleanArray.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified
array as if it is [List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation
warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic expect fun
CharArray.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array
as if it is [List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\npublic expect fun <T> Array<out T>?.contentToString(): String\n\n/**\n * Returns a
string representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n *\n@SinceKotlin("1.4")\npublic expect fun
ByteArray?.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array
as if it is [List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\npublic expect fun ShortArray?.contentToString(): String\n\n/**\n * Returns a string
representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n *\n@SinceKotlin("1.4")\npublic expect fun
IntArray?.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array
as if it is [List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\npublic expect fun LongArray?.contentToString(): String\n\n/**\n * Returns a string
representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n *\n@SinceKotlin("1.4")\npublic expect fun
FloatArray?.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified
array as if it is [List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\npublic expect fun DoubleArray?.contentToString(): String\n\n/**\n * Returns a string
representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n *\n@SinceKotlin("1.4")\npublic expect fun
BooleanArray?.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified
array as if it is [List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\npublic expect fun CharArray?.contentToString(): String\n\n/**\n * Copies this array or
its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the
[destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param
destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by
default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param
endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws
IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this
array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange
doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the
[destination] array indices range.\n * \n * @return the [destination] array.\n *\n@SinceKotlin("1.3")\npublic
expect fun <T> Array<out T>.copyInto(destination: Array<T>, destinationOffset: Int = 0, startIndex: Int = 0,

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endIndex: Int = size): Array<T>\n\n\*\*\n \* Copies this array or its subrange into the [destination] array and returns that array.\n \* \n \* It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n \* \n \* @param destination the array to copy to.\n \* @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n \* @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n \* @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n \* @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n \* or when that index is out of the [destination] array indices range.\n \* \n \* @return the [destination] array.\n \* \n \* @SinceKotlin("1.3")\n\npublic expect fun ByteArray.copyInto(destination: ByteArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): ByteArray\n\n\*\*\n \* Copies this array or its subrange into the [destination] array and returns that array.\n \* \n \* It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n \* \n \* @param destination the array to copy to.\n \* @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n \* @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n \* @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n \* @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n \* or when that index is out of the [destination] array indices range.\n \* \n \* @return the [destination] array.\n \* \n \* @SinceKotlin("1.3")\n\npublic expect fun ShortArray.copyInto(destination: ShortArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): ShortArray\n\n\*\*\n \* Copies this array or its subrange into the [destination] array and returns that array.\n \* \n \* It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n \* \n \* @param destination the array to copy to.\n \* @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n \* @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n \* @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n \* @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n \* or when that index is out of the [destination] array indices range.\n \* \n \* @return the [destination] array.\n \* \n \* @SinceKotlin("1.3")\n\npublic expect fun IntArray.copyInto(destination: IntArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): IntArray\n\n\*\*\n \* Copies this array or its subrange into the [destination] array and returns that array.\n \* \n \* It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n \* \n \* @param destination the array to copy to.\n \* @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n \* @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n \* @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n \* @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n \* or when that index is out of the [destination] array indices range.\n \* \n \* @return the [destination] array.\n \* \n \* @SinceKotlin("1.3")\n\npublic expect fun LongArray.copyInto(destination: LongArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): LongArray\n\n\*\*\n \* Copies this array or its subrange into the [destination] array and returns that array.\n \* \n \* It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n \* \n \* @param destination the array to copy to.\n \* @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n \* @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n \* @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of

range of this array indices or when `startIndex > endIndex`. \n \* @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset], \n \* or when that index is out of the [destination] array indices range. \n \* \n \* @return the [destination] array. \n

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*\n@SinceKotlin("1.3")\npublic expect fun FloatArray.copyInto(destination: FloatArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): FloatArray\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array. \n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range. \n * \n * @param destination the array to copy to. \n * @param destinationOffset the position in the [destination] array to copy to, 0 by default. \n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default. \n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default. \n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`. \n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset], \n * or when that index is out of the [destination] array indices range. \n * \n * @return the [destination] array. \n */\n*\n@SinceKotlin("1.3")\npublic expect fun DoubleArray.copyInto(destination: DoubleArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): DoubleArray\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array. \n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range. \n * \n * @param destination the array to copy to. \n * @param destinationOffset the position in the [destination] array to copy to, 0 by default. \n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default. \n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default. \n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`. \n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset], \n * or when that index is out of the [destination] array indices range. \n * \n * @return the [destination] array. \n */\n*\n@SinceKotlin("1.3")\npublic expect fun BooleanArray.copyInto(destination: BooleanArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): BooleanArray\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array. \n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range. \n * \n * @param destination the array to copy to. \n * @param destinationOffset the position in the [destination] array to copy to, 0 by default. \n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default. \n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default. \n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`. \n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset], \n * or when that index is out of the [destination] array indices range. \n * \n * @return the [destination] array. \n */\n*\n@SinceKotlin("1.3")\npublic expect fun CharArray.copyInto(destination: CharArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): CharArray\n\n/**\n * Returns new array which is a copy of the original array. \n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOf\n */\n*\n@Suppress("NO_ACTUAL_FOR_EXPECT")\npublic expect fun <T> Array<T>.copyOf(): Array<T>\n\n/**\n * Returns new array which is a copy of the original array. \n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOf\n */\n*\npublic expect fun ByteArray.copyOf(): ByteArray\n\n/**\n * Returns new array which is a copy of the original array. \n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOf\n */\n*\npublic expect fun ShortArray.copyOf(): ShortArray\n\n/**\n * Returns new array which is a copy of the original array. \n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOf\n */\n*\npublic expect fun IntArray.copyOf(): IntArray\n\n/**\n * Returns new array which is a copy of the original array. \n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOf\n */\n*\npublic expect fun LongArray.copyOf(): LongArray\n\n/**\n * Returns new array which is a copy of the original array. \n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOf\n */\n
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samples.collections.Arrays.CopyOfOperations.copyOf\n \*/\npublic expect fun FloatArray.copyOf():  
 FloatArray\n\n\*/\n \* Returns new array which is a copy of the original array.\n \* \n \* @sample  
 samples.collections.Arrays.CopyOfOperations.copyOf\n \*/\npublic expect fun DoubleArray.copyOf():  
 DoubleArray\n\n\*/\n \* Returns new array which is a copy of the original array.\n \* \n \* @sample  
 samples.collections.Arrays.CopyOfOperations.copyOf\n \*/\npublic expect fun BooleanArray.copyOf():  
 BooleanArray\n\n\*/\n \* Returns new array which is a copy of the original array.\n \* \n \* @sample  
 samples.collections.Arrays.CopyOfOperations.copyOf\n \*/\npublic expect fun CharArray.copyOf():  
 CharArray\n\n\*/\n \* Returns new array which is a copy of the original array, resized to the given [newSize].\n \*  
 The copy is either truncated or padded at the end with zero values if necessary.\n \* \n \* - If [newSize] is less than the  
 size of the original array, the copy array is truncated to the [newSize].\n \* - If [newSize] is greater than the size of  
 the original array, the extra elements in the copy array are filled with zero values.\n \* \n \* @sample  
 samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n \*/\npublic expect fun  
 ByteArray.copyOf(newSize: Int): ByteArray\n\n\*/\n \* Returns new array which is a copy of the original array,  
 resized to the given [newSize].\n \* The copy is either truncated or padded at the end with zero values if necessary.\n  
 \* \n \* - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].\n \* - If  
 [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with zero  
 values.\n \* \n \* @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n \*/\npublic  
 expect fun ShortArray.copyOf(newSize: Int): ShortArray\n\n\*/\n \* Returns new array which is a copy of the  
 original array, resized to the given [newSize].\n \* The copy is either truncated or padded at the end with zero values  
 if necessary.\n \* \n \* - If [newSize] is less than the size of the original array, the copy array is truncated to the  
 [newSize].\n \* - If [newSize] is greater than the size of the original array, the extra elements in the copy array are  
 filled with zero values.\n \* \n \* @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n  
 \*/\npublic expect fun IntArray.copyOf(newSize: Int): IntArray\n\n\*/\n \* Returns new array which is a copy of the  
 original array, resized to the given [newSize].\n \* The copy is either truncated or padded at the end with zero values  
 if necessary.\n \* \n \* - If [newSize] is less than the size of the original array, the copy array is truncated to the  
 [newSize].\n \* - If [newSize] is greater than the size of the original array, the extra elements in the copy array are  
 filled with zero values.\n \* \n \* @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n  
 \*/\npublic expect fun LongArray.copyOf(newSize: Int): LongArray\n\n\*/\n \* Returns new array which is a copy of  
 the original array, resized to the given [newSize].\n \* The copy is either truncated or padded at the end with zero  
 values if necessary.\n \* \n \* - If [newSize] is less than the size of the original array, the copy array is truncated to the  
 [newSize].\n \* - If [newSize] is greater than the size of the original array, the extra elements in the copy array are  
 filled with zero values.\n \* \n \* @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n  
 \*/\npublic expect fun FloatArray.copyOf(newSize: Int): FloatArray\n\n\*/\n \* Returns new array which is a copy of  
 the original array, resized to the given [newSize].\n \* The copy is either truncated or padded at the end with zero  
 values if necessary.\n \* \n \* - If [newSize] is less than the size of the original array, the copy array is truncated to the  
 [newSize].\n \* - If [newSize] is greater than the size of the original array, the extra elements in the copy array are  
 filled with zero values.\n \* \n \* @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n  
 \*/\npublic expect fun DoubleArray.copyOf(newSize: Int): DoubleArray\n\n\*/\n \* Returns new array which is a  
 copy of the original array, resized to the given [newSize].\n \* The copy is either truncated or padded at the end with  
 `false` values if necessary.\n \* \n \* - If [newSize] is less than the size of the original array, the copy array is  
 truncated to the [newSize].\n \* - If [newSize] is greater than the size of the original array, the extra elements in the  
 copy array are filled with `false` values.\n \* \n \* @sample  
 samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n \*/\npublic expect fun  
 BooleanArray.copyOf(newSize: Int): BooleanArray\n\n\*/\n \* Returns new array which is a copy of the original  
 array, resized to the given [newSize].\n \* The copy is either truncated or padded at the end with null char (`\u0000`)  
 values if necessary.\n \* \n \* - If [newSize] is less than the size of the original array, the copy array is truncated to the  
 [newSize].\n \* - If [newSize] is greater than the size of the original array, the extra elements in the copy array are  
 filled with null char (`\u0000`) values.\n \* \n \* @sample

samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n \* \npublic expect fun  
 CharArray.copyOf(newSize: Int): CharArray\n\n/\*\*\n \* Returns new array which is a copy of the original array,  
 resized to the given [newSize].\n \* The copy is either truncated or padded at the end with `null` values if  
 necessary.\n \* \n \* - If [newSize] is less than the size of the original array, the copy array is truncated to the  
 [newSize].\n \* - If [newSize] is greater than the size of the original array, the extra elements in the copy array are  
 filled with `null` values.\n \* \n \* @sample samples.collections.Arrays.CopyOfOperations.resizingCopyOf\n  
 \* \n@Suppress("NO\_ACTUAL\_FOR\_EXPECT")\npublic expect fun <T> Array<T>.copyOf(newSize: Int):  
 Array<T?>\n\n/\*\*\n \* Returns a new array which is a copy of the specified range of the original array.\n \* \n \* \n \*  
 @param fromIndex the start of the range (inclusive) to copy.\n \* @param toIndex the end of the range (exclusive) to  
 copy.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the  
 size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n  
 \* \n@Suppress("NO\_ACTUAL\_FOR\_EXPECT")\npublic expect fun <T> Array<T>.copyOfRange(fromIndex:  
 Int, toIndex: Int): Array<T>\n\n/\*\*\n \* Returns a new array which is a copy of the specified range of the original  
 array.\n \* \n \* \n \* @param fromIndex the start of the range (inclusive) to copy.\n \* @param toIndex the end of the  
 range (exclusive) to copy.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or  
 [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than  
 [toIndex].\n \* \npublic expect fun ByteArray.copyOfRange(fromIndex: Int, toIndex: Int): ByteArray\n\n/\*\*\n \*  
 Returns a new array which is a copy of the specified range of the original array.\n \* \n \* \n \* @param fromIndex the start  
 of the range (inclusive) to copy.\n \* @param toIndex the end of the range (exclusive) to copy.\n \* \n \* \n \* @throws  
 IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \*  
 @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \* \npublic expect fun  
 ShortArray.copyOfRange(fromIndex: Int, toIndex: Int): ShortArray\n\n/\*\*\n \* Returns a new array which is a copy  
 of the specified range of the original array.\n \* \n \* \n \* @param fromIndex the start of the range (inclusive) to copy.\n \*  
 @param toIndex the end of the range (exclusive) to copy.\n \* \n \* \n \* @throws IndexOutOfBoundsException if  
 [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws  
 IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \* \npublic expect fun  
 IntArray.copyOfRange(fromIndex: Int, toIndex: Int): IntArray\n\n/\*\*\n \* Returns a new array which is a copy of the  
 specified range of the original array.\n \* \n \* \n \* @param fromIndex the start of the range (inclusive) to copy.\n \*  
 @param toIndex the end of the range (exclusive) to copy.\n \* \n \* \n \* @throws IndexOutOfBoundsException if  
 [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws  
 IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \* \npublic expect fun  
 LongArray.copyOfRange(fromIndex: Int, toIndex: Int): LongArray\n\n/\*\*\n \* Returns a new array which is a copy  
 of the specified range of the original array.\n \* \n \* \n \* @param fromIndex the start of the range (inclusive) to copy.\n \*  
 @param toIndex the end of the range (exclusive) to copy.\n \* \n \* \n \* @throws IndexOutOfBoundsException if  
 [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws  
 IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \* \npublic expect fun  
 FloatArray.copyOfRange(fromIndex: Int, toIndex: Int): FloatArray\n\n/\*\*\n \* Returns a new array which is a copy  
 of the specified range of the original array.\n \* \n \* \n \* @param fromIndex the start of the range (inclusive) to copy.\n \*  
 @param toIndex the end of the range (exclusive) to copy.\n \* \n \* \n \* @throws IndexOutOfBoundsException if  
 [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws  
 IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \* \npublic expect fun  
 DoubleArray.copyOfRange(fromIndex: Int, toIndex: Int): DoubleArray\n\n/\*\*\n \* Returns a new array which is a  
 copy of the specified range of the original array.\n \* \n \* \n \* @param fromIndex the start of the range (inclusive) to  
 copy.\n \* @param toIndex the end of the range (exclusive) to copy.\n \* \n \* \n \* @throws IndexOutOfBoundsException  
 if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws  
 IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \* \npublic expect fun  
 BooleanArray.copyOfRange(fromIndex: Int, toIndex: Int): BooleanArray\n\n/\*\*\n \* Returns a new array which is a  
 copy of the specified range of the original array.\n \* \n \* \n \* @param fromIndex the start of the range (inclusive) to

copy.\n \* @param toIndex the end of the range (exclusive) to copy.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \*/\npublic expect fun CharArray.copyOfRange(fromIndex: Int, toIndex: Int): CharArray\n\n/\*\*\n \* Fills this array or its subrange with the specified [element] value.\n \* \n \* @param fromIndex the start of the range (inclusive) to fill, 0 by default.\n \* @param toIndex the end of the range (exclusive) to fill, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \*/\n@SinceKotlin("1.3")\npublic expect fun <T> Array<T>.fill(element: T, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \* Fills this array or its subrange with the specified [element] value.\n \* \n \* @param fromIndex the start of the range (inclusive) to fill, 0 by default.\n \* @param toIndex the end of the range (exclusive) to fill, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \*/\n@SinceKotlin("1.3")\npublic expect fun ByteArray.fill(element: Byte, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \* Fills this array or its subrange with the specified [element] value.\n \* \n \* @param fromIndex the start of the range (inclusive) to fill, 0 by default.\n \* @param toIndex the end of the range (exclusive) to fill, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \*/\n@SinceKotlin("1.3")\npublic expect fun ShortArray.fill(element: Short, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \* Fills this array or its subrange with the specified [element] value.\n \* \n \* @param fromIndex the start of the range (inclusive) to fill, 0 by default.\n \* @param toIndex the end of the range (exclusive) to fill, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \*/\n@SinceKotlin("1.3")\npublic expect fun IntArray.fill(element: Int, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \* Fills this array or its subrange with the specified [element] value.\n \* \n \* @param fromIndex the start of the range (inclusive) to fill, 0 by default.\n \* @param toIndex the end of the range (exclusive) to fill, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \*/\n@SinceKotlin("1.3")\npublic expect fun LongArray.fill(element: Long, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \* Fills this array or its subrange with the specified [element] value.\n \* \n \* @param fromIndex the start of the range (inclusive) to fill, 0 by default.\n \* @param toIndex the end of the range (exclusive) to fill, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \*/\n@SinceKotlin("1.3")\npublic expect fun FloatArray.fill(element: Float, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \* Fills this array or its subrange with the specified [element] value.\n \* \n \* @param fromIndex the start of the range (inclusive) to fill, 0 by default.\n \* @param toIndex the end of the range (exclusive) to fill, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \*/\n@SinceKotlin("1.3")\npublic expect fun DoubleArray.fill(element: Double, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \* Fills this array or its subrange with the specified [element] value.\n \* \n \* @param fromIndex the start of the range (inclusive) to fill, 0 by default.\n \* @param toIndex the end of the range (exclusive) to fill, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \*/\n@SinceKotlin("1.3")\npublic expect fun BooleanArray.fill(element: Boolean, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \* Fills this array or its subrange with the specified [element] value.\n \* \n \* @param fromIndex the start of the range (inclusive) to fill, 0 by default.\n \* @param toIndex the end of the range (exclusive) to fill, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this

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array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.3")\npublic expect fun CharArray.fill(element: Char, fromIndex: Int = 0, toIndex: Int = size):
Unit\n\n/**\n * Returns the range of valid indices for the array.\n */\npublic val <T> Array<out T>.indices:
IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n * Returns the range of valid indices for the array.\n */\npublic
val ByteArray.indices: IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n * Returns the range of valid indices for
the array.\n */\npublic val ShortArray.indices: IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n * Returns the
range of valid indices for the array.\n */\npublic val IntArray.indices: IntRange\n    get() = IntRange(0,
lastIndex)\n\n/**\n * Returns the range of valid indices for the array.\n */\npublic val LongArray.indices:
IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n * Returns the range of valid indices for the array.\n */\npublic
val FloatArray.indices: IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n * Returns the range of valid indices for
the array.\n */\npublic val DoubleArray.indices: IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n * Returns the
range of valid indices for the array.\n */\npublic val BooleanArray.indices: IntRange\n    get() = IntRange(0,
lastIndex)\n\n/**\n * Returns the range of valid indices for the array.\n */\npublic val CharArray.indices: IntRange\n
    get() = IntRange(0, lastIndex)\n\n/**\n * Returns `true` if the array is empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.isEmpty(): Boolean {\n    return size ==
0\n}\n\n/**\n * Returns `true` if the array is empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun
ByteArray.isEmpty(): Boolean {\n    return size == 0\n}\n\n/**\n * Returns `true` if the array is empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.isEmpty(): Boolean {\n    return size == 0\n}\n\n/**\n *
Returns `true` if the array is empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.isEmpty():
Boolean {\n    return size == 0\n}\n\n/**\n * Returns `true` if the array is empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.isEmpty(): Boolean {\n    return size == 0\n}\n\n/**\n *
Returns `true` if the array is empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.isEmpty():
Boolean {\n    return size == 0\n}\n\n/**\n * Returns `true` if the array is empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.isEmpty(): Boolean {\n    return size ==
0\n}\n\n/**\n * Returns `true` if the array is empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun
BooleanArray.isEmpty(): Boolean {\n    return size == 0\n}\n\n/**\n * Returns `true` if the array is empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.isEmpty(): Boolean {\n    return size == 0\n}\n\n/**\n *
Returns `true` if the array is not empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out
T>.isNotEmpty(): Boolean {\n    return !isEmpty()\n}\n\n/**\n * Returns `true` if the array is not empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.isNotEmpty(): Boolean {\n    return
!isEmpty()\n}\n\n/**\n * Returns `true` if the array is not empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline
fun ShortArray.isNotEmpty(): Boolean {\n    return !isEmpty()\n}\n\n/**\n * Returns `true` if the array is not
empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.isNotEmpty(): Boolean {\n    return
!isEmpty()\n}\n\n/**\n * Returns `true` if the array is not empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline
fun LongArray.isNotEmpty(): Boolean {\n    return !isEmpty()\n}\n\n/**\n * Returns `true` if the array is not
empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.isNotEmpty(): Boolean {\n    return
!isEmpty()\n}\n\n/**\n * Returns `true` if the array is not empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline
fun DoubleArray.isNotEmpty(): Boolean {\n    return !isEmpty()\n}\n\n/**\n * Returns `true` if the array is not
empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.isNotEmpty(): Boolean {\n    return
!isEmpty()\n}\n\n/**\n * Returns `true` if the array is not empty.\n */\n\n*\n@kotlin.internal.InlineOnly\npublic inline
fun CharArray.isNotEmpty(): Boolean {\n    return !isEmpty()\n}\n\n/**\n * Returns the last valid index for the
array.\n */\n\n*\npublic val <T> Array<out T>.lastIndex: Int\n    get() = size - 1\n\n/**\n * Returns the last valid index
for the array.\n */\n\n*\npublic val ByteArray.lastIndex: Int\n    get() = size - 1\n\n/**\n * Returns the last valid index for
the array.\n */\n\n*\npublic val ShortArray.lastIndex: Int\n    get() = size - 1\n\n/**\n * Returns the last valid index for the
array.\n */\n\n*\npublic val IntArray.lastIndex: Int\n    get() = size - 1\n\n/**\n * Returns the last valid index for the
array.\n */\n\n*\npublic val LongArray.lastIndex: Int\n    get() = size - 1\n\n/**\n * Returns the last valid index for the
array.\n */\n\n*\npublic val FloatArray.lastIndex: Int\n    get() = size - 1\n\n/**\n * Returns the last valid index for the
array.\n */\n\n*\npublic val DoubleArray.lastIndex: Int\n    get() = size - 1\n\n/**\n * Returns the last valid index for the

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array.  
`public val BooleanArray.lastIndex: Int` `get() = size - 1`  
 \* Returns the last valid index for the array.  
`public val CharArray.lastIndex: Int` `get() = size - 1`  
 \* Returns an array containing all elements of the original array and then the given [element].  
`@Suppress("NO_ACTUAL_FOR_EXPECT")` `public expect operator fun <T> Array<T>.plus(element: T): Array<T>`  
 \* Returns an array containing all elements of the original array and then the given [element].  
`public expect operator fun ByteArray.plus(element: Byte): ByteArray`  
 \* Returns an array containing all elements of the original array and then the given [element].  
`public expect operator fun ShortArray.plus(element: Short): ShortArray`  
 \* Returns an array containing all elements of the original array and then the given [element].  
`public expect operator fun IntArray.plus(element: Int): IntArray`  
 \* Returns an array containing all elements of the original array and then the given [element].  
`public expect operator fun LongArray.plus(element: Long): LongArray`  
 \* Returns an array containing all elements of the original array and then the given [element].  
`public expect operator fun FloatArray.plus(element: Float): FloatArray`  
 \* Returns an array containing all elements of the original array and then the given [element].  
`public expect operator fun DoubleArray.plus(element: Double): DoubleArray`  
 \* Returns an array containing all elements of the original array and then the given [element].  
`public expect operator fun BooleanArray.plus(element: Boolean): BooleanArray`  
 \* Returns an array containing all elements of the original array and then the given [element].  
`public expect operator fun CharArray.plus(element: Char): CharArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] collection.  
`@Suppress("NO_ACTUAL_FOR_EXPECT")` `public expect operator fun <T> Array<T>.plus(elements: Collection<T>): Array<T>`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] collection.  
`public expect operator fun ByteArray.plus(elements: Collection<Byte>): ByteArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] collection.  
`public expect operator fun ShortArray.plus(elements: Collection<Short>): ShortArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] collection.  
`public expect operator fun IntArray.plus(elements: Collection<Int>): IntArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] collection.  
`public expect operator fun LongArray.plus(elements: Collection<Long>): LongArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] collection.  
`public expect operator fun FloatArray.plus(elements: Collection<Float>): FloatArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] collection.  
`public expect operator fun DoubleArray.plus(elements: Collection<Double>): DoubleArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] collection.  
`public expect operator fun BooleanArray.plus(elements: Collection<Boolean>): BooleanArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] collection.  
`public expect operator fun CharArray.plus(elements: Collection<Char>): CharArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] array.  
`@Suppress("NO_ACTUAL_FOR_EXPECT")` `public expect operator fun <T> Array<T>.plus(elements: Array<out T>): Array<T>`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] array.  
`public expect operator fun ByteArray.plus(elements: ByteArray): ByteArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] array.  
`public expect operator fun ShortArray.plus(elements: ShortArray): ShortArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] array.  
`public expect operator fun IntArray.plus(elements: IntArray): IntArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] array.  
`public expect operator fun LongArray.plus(elements: LongArray): LongArray`  
 \* Returns an array containing all elements of the original array and then all elements of the given [elements] array.  
`public expect operator fun FloatArray.plus(elements: FloatArray): FloatArray`  
 \* Returns an array containing all elements

of the original array and then all elements of the given [elements] array.\n \*/\npublic expect operator fun  
 DoubleArray.plus(elements: DoubleArray): DoubleArray\n\n/\*\*\n \* Returns an array containing all elements of the  
 original array and then all elements of the given [elements] array.\n \*/\npublic expect operator fun  
 BooleanArray.plus(elements: BooleanArray): BooleanArray\n\n/\*\*\n \* Returns an array containing all elements of  
 the original array and then all elements of the given [elements] array.\n \*/\npublic expect operator fun  
 CharArray.plus(elements: CharArray): CharArray\n\n/\*\*\n \* Returns an array containing all elements of the original  
 array and then the given [element].\n \*/\n@Suppress("NO\_ACTUAL\_FOR\_EXPECT")\npublic expect fun <T>  
 Array<T>.plusElement(element: T): Array<T>\n\n/\*\*\n \* Sorts the array in-place.\n \* \n \* @sample  
 samples.collections.Arrays.Sorting.sortArray\n \*/\npublic expect fun IntArray.sort(): Unit\n\n/\*\*\n \* Sorts the array  
 in-place.\n \* \n \* @sample samples.collections.Arrays.Sorting.sortArray\n \*/\npublic expect fun LongArray.sort():  
 Unit\n\n/\*\*\n \* Sorts the array in-place.\n \* \n \* @sample samples.collections.Arrays.Sorting.sortArray\n \*/\npublic  
 expect fun ByteArray.sort(): Unit\n\n/\*\*\n \* Sorts the array in-place.\n \* \n \* @sample  
 samples.collections.Arrays.Sorting.sortArray\n \*/\npublic expect fun ShortArray.sort(): Unit\n\n/\*\*\n \* Sorts the  
 array in-place.\n \* \n \* @sample samples.collections.Arrays.Sorting.sortArray\n \*/\npublic expect fun  
 DoubleArray.sort(): Unit\n\n/\*\*\n \* Sorts the array in-place.\n \* \n \* @sample  
 samples.collections.Arrays.Sorting.sortArray\n \*/\npublic expect fun FloatArray.sort(): Unit\n\n/\*\*\n \* Sorts the  
 array in-place.\n \* \n \* @sample samples.collections.Arrays.Sorting.sortArray\n \*/\npublic expect fun  
 CharArray.sort(): Unit\n\n/\*\*\n \* Sorts the array in-place according to the natural order of its elements.\n \* \n \* The  
 sort is `_stable_`. It means that equal elements preserve their order relative to each other after sorting.\n \* \n \*  
 @sample samples.collections.Arrays.Sorting.sortArrayOfComparable\n \*/\npublic expect fun <T :  
 Comparable<T>> Array<out T>.sort(): Unit\n\n/\*\*\n \* Sorts a range in the array in-place.\n \* \n \* The sort is  
`_stable_`. It means that equal elements preserve their order relative to each other after sorting.\n \* \n \* @param  
 fromIndex the start of the range (inclusive) to sort, 0 by default.\n \* @param toIndex the end of the range  
 (exclusive) to sort, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is  
 less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if  
 [fromIndex] is greater than [toIndex].\n \* \n \* @sample  
 samples.collections.Arrays.Sorting.sortRangeOfArrayOfComparable\n \*/\n@SinceKotlin("1.4")\npublic expect  
 fun <T : Comparable<T>> Array<out T>.sort(fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \* Sorts a range  
 in the array in-place.\n \* \n \* @param fromIndex the start of the range (inclusive) to sort, 0 by default.\n \* @param  
 toIndex the end of the range (exclusive) to sort, size of this array by default.\n \* \n \* @throws  
 IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \*  
 @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \* \n \* @sample  
 samples.collections.Arrays.Sorting.sortRangeOfArray\n \*/\n@SinceKotlin("1.4")\npublic expect fun  
 ByteArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \* Sorts a range in the array in-place.\n \* \n \*  
 @param fromIndex the start of the range (inclusive) to sort, 0 by default.\n \* @param toIndex the end of the range  
 (exclusive) to sort, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is  
 less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if  
 [fromIndex] is greater than [toIndex].\n \* \n \* @sample samples.collections.Arrays.Sorting.sortRangeOfArray\n  
 \*/\n@SinceKotlin("1.4")\npublic expect fun ShortArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \*  
 Sorts a range in the array in-place.\n \* \n \* @param fromIndex the start of the range (inclusive) to sort, 0 by  
 default.\n \* @param toIndex the end of the range (exclusive) to sort, size of this array by default.\n \* \n \* @throws  
 IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \*  
 @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n \* \n \* @sample  
 samples.collections.Arrays.Sorting.sortRangeOfArray\n \*/\n@SinceKotlin("1.4")\npublic expect fun  
 IntArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/\*\*\n \* Sorts a range in the array in-place.\n \* \n \*  
 @param fromIndex the start of the range (inclusive) to sort, 0 by default.\n \* @param toIndex the end of the range  
 (exclusive) to sort, size of this array by default.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is  
 less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if

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[fromIndex] is greater than [toIndex].\n * \n * @sample samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\n@SinceKotlin("1.4")\npublic expect fun LongArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/**\n
* Sorts a range in the array in-place.\n * \n * @param fromIndex the start of the range (inclusive) to sort, 0 by
default.\n * @param toIndex the end of the range (exclusive) to sort, size of this array by default.\n * \n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
@throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n * @sample
samples.collections.Arrays.Sorting.sortRangeOfArray\n *\n@SinceKotlin("1.4")\npublic expect fun
FloatArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/**\n * Sorts a range in the array in-place.\n * \n *
@param fromIndex the start of the range (inclusive) to sort, 0 by default.\n * @param toIndex the end of the range
(exclusive) to sort, size of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is
less than zero or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if
[fromIndex] is greater than [toIndex].\n * \n * @sample samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\n@SinceKotlin("1.4")\npublic expect fun DoubleArray.sort(fromIndex: Int = 0, toIndex: Int = size):
Unit\n\n/**\n * Sorts a range in the array in-place.\n * \n * @param fromIndex the start of the range (inclusive) to
sort, 0 by default.\n * @param toIndex the end of the range (exclusive) to sort, size of this array by default.\n * \n *
@throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this
array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n * @sample
samples.collections.Arrays.Sorting.sortRangeOfArray\n *\n@SinceKotlin("1.4")\npublic expect fun
CharArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/**\n * Sorts elements of the array in the specified
range in-place.\n * The elements are sorted descending according to their natural sort order.\n * \n * The sort is
_stable_. It means that equal elements preserve their order relative to each other after sorting.\n * \n * @param
fromIndex the start of the range (inclusive) to sort.\n * @param toIndex the end of the range (exclusive) to sort.\n *
@throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of
this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\npublic fun <T : Comparable<T>> Array<out T>.sortDescending(fromIndex: Int,
toIndex: Int): Unit {\n    sortWith(reverseOrder(), fromIndex, toIndex)\n}\n\n/**\n * Sorts elements of the array in
the specified range in-place.\n * The elements are sorted descending according to their natural sort order.\n * \n *
@param fromIndex the start of the range (inclusive) to sort.\n * @param toIndex the end of the range (exclusive) to
sort.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the
size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\npublic fun ByteArray.sortDescending(fromIndex: Int, toIndex: Int): Unit {\n    sort(fromIndex, toIndex)\n    reverse(fromIndex, toIndex)\n}\n\n/**\n * Sorts elements of the array in the specified
range in-place.\n * The elements are sorted descending according to their natural sort order.\n * \n * @param
fromIndex the start of the range (inclusive) to sort.\n * @param toIndex the end of the range (exclusive) to sort.\n *
@throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of
this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\npublic fun ShortArray.sortDescending(fromIndex: Int, toIndex: Int): Unit {\n    sort(fromIndex, toIndex)\n    reverse(fromIndex, toIndex)\n}\n\n/**\n * Sorts elements of the array in the specified
range in-place.\n * The elements are sorted descending according to their natural sort order.\n * \n * @param
fromIndex the start of the range (inclusive) to sort.\n * @param toIndex the end of the range (exclusive) to sort.\n *
@throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of
this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\npublic fun IntArray.sortDescending(fromIndex: Int, toIndex: Int): Unit {\n    sort(fromIndex, toIndex)\n    reverse(fromIndex, toIndex)\n}\n\n/**\n * Sorts elements of the array in the specified
range in-place.\n * The elements are sorted descending according to their natural sort order.\n * \n * @param
fromIndex the start of the range (inclusive) to sort.\n * @param toIndex the end of the range (exclusive) to sort.\n *
@throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of
this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n

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*\n@SinceKotlin("1.4")\npublic fun LongArray.sortDescending(fromIndex: Int, toIndex: Int): Unit {\n
sort(fromIndex, toIndex)\n  reverse(fromIndex, toIndex)\n}\n\n/**\n * Sorts elements of the array in the specified
range in-place.\n * The elements are sorted descending according to their natural sort order.\n * \n * @param
fromIndex the start of the range (inclusive) to sort.\n * @param toIndex the end of the range (exclusive) to sort.\n
*\n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of
this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\npublic fun FloatArray.sortDescending(fromIndex: Int, toIndex: Int): Unit {\n
sort(fromIndex, toIndex)\n  reverse(fromIndex, toIndex)\n}\n\n/**\n * Sorts elements of the array in the specified
range in-place.\n * The elements are sorted descending according to their natural sort order.\n * \n * @param
fromIndex the start of the range (inclusive) to sort.\n * @param toIndex the end of the range (exclusive) to sort.\n
*\n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of
this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\npublic fun DoubleArray.sortDescending(fromIndex: Int, toIndex: Int): Unit {\n
sort(fromIndex, toIndex)\n  reverse(fromIndex, toIndex)\n}\n\n/**\n * Sorts elements of the array in the specified
range in-place.\n * The elements are sorted descending according to their natural sort order.\n * \n * @param
fromIndex the start of the range (inclusive) to sort.\n * @param toIndex the end of the range (exclusive) to sort.\n
*\n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of
this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\npublic fun CharArray.sortDescending(fromIndex: Int, toIndex: Int): Unit {\n
sort(fromIndex, toIndex)\n  reverse(fromIndex, toIndex)\n}\n\n/**\n * Sorts the array in-place according to the
order specified by the given [comparator].\n * \n * The sort is _stable_. It means that equal elements preserve their
order relative to each other after sorting.\n *\npublic expect fun <T> Array<out T>.sortWith(comparator:
Comparator<in T>): Unit\n\n/**\n * Sorts a range in the array in-place with the given [comparator].\n * \n * The
sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n * \n
*\n * @param fromIndex the start of the range (inclusive) to sort, 0 by default.\n * @param toIndex the end of the range
(exclusive) to sort, size of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is
less than zero or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if
[fromIndex] is greater than [toIndex].\n *\npublic expect fun <T> Array<out T>.sortWith(comparator:
Comparator<in T>, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/**\n * Returns an array of Boolean containing
all of the elements of this generic array.\n *\npublic fun Array<out Boolean>.toBooleanArray(): BooleanArray {\n
return BooleanArray(size) { index -> this[index] }\n}\n\n/**\n * Returns an array of Byte containing all of the
elements of this generic array.\n *\npublic fun Array<out Byte>.toByteArray(): ByteArray {\n
return ByteArray(size) { index -> this[index] }\n}\n\n/**\n * Returns an array of Char containing all of the elements of this
generic array.\n *\npublic fun Array<out Char>.toCharArray(): CharArray {\n
return CharArray(size) { index -> this[index] }\n}\n}\n\n/**\n * Returns an array of Double containing all of the elements of this generic array.\n
*\npublic fun Array<out Double>.toDoubleArray(): DoubleArray {\n
return DoubleArray(size) { index -> this[index] }\n}\n}\n\n/**\n * Returns an array of Float containing all of the elements of this generic array.\n
*\npublic fun Array<out Float>.toFloatArray(): FloatArray {\n
return FloatArray(size) { index -> this[index] }\n}\n}\n\n/**\n * Returns an array of Int containing all of the elements of this generic array.\n
*\npublic fun Array<out
Int>.toIntArray(): IntArray {\n
return IntArray(size) { index -> this[index] }\n}\n}\n\n/**\n * Returns an array of
Long containing all of the elements of this generic array.\n *\npublic fun Array<out Long>.toLongArray():
LongArray {\n
return LongArray(size) { index -> this[index] }\n}\n}\n\n/**\n * Returns an array of Short containing
all of the elements of this generic array.\n *\npublic fun Array<out Short>.toShortArray(): ShortArray {\n
return ShortArray(size) { index -> this[index] }\n}\n}\n\n/**\n * Returns a *typed* object array containing all of the elements
of this primitive array.\n *\npublic expect fun ByteArray.toTypedArray(): Array<Byte>\n\n/**\n * Returns a
*typed* object array containing all of the elements of this primitive array.\n *\npublic expect fun
ShortArray.toTypedArray(): Array<Short>\n\n/**\n * Returns a *typed* object array containing all of the elements
of this primitive array.\n *\npublic expect fun IntArray.toTypedArray(): Array<Int>\n\n/**\n * Returns a *typed*

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object array containing all of the elements of this primitive array.\n \*^\npublic expect fun

LongArray.toArray(): Array<Long>\n\n/\*\*\n \* Returns a \*typed\* object array containing all of the elements of this primitive array.\n \*^\npublic expect fun FloatArray.toArray(): Array<Float>\n\n/\*\*\n \* Returns a \*typed\* object array containing all of the elements of this primitive array.\n \*^\npublic expect fun

DoubleArray.toArray(): Array<Double>\n\n/\*\*\n \* Returns a \*typed\* object array containing all of the elements of this primitive array.\n \*^\npublic expect fun BooleanArray.toArray(): Array<Boolean>\n\n/\*\*\n \* Returns a \*typed\* object array containing all of the elements of this primitive array.\n \*^\npublic expect fun

CharArray.toArray(): Array<Char>\n\n/\*\*\n \* Returns a [Map] containing key-value pairs provided by [transform] function\n \* applied to elements of the given array.\n \* \n \* If any of two pairs would have the same key the last one gets added to the map.\n \* \n \* The returned map preserves the entry iteration order of the original array.\n \* \n \* @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitives\n \*^\npublic inline fun <T, K, V> Array<out T>.associate(transform: (T) -> Pair<K, V>): Map<K, V> {\n val capacity = mapCapacity(size).coerceAtLeast(16)\n return associateTo(LinkedHashMap<K, V>(capacity), transform)\n}\n\n/\*\*\n \* Returns a [Map] containing key-value pairs provided by [transform] function\n \* applied to elements of the given array.\n \* \n \* If any of two pairs would have the same key the last one gets added to the map.\n \* \n \* The returned map preserves the entry iteration order of the original array.\n \* \n \* @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitives\n \*^\npublic inline fun <K, V> ByteArray.associate(transform: (Byte) -> Pair<K, V>): Map<K, V> {\n val capacity = mapCapacity(size).coerceAtLeast(16)\n return associateTo(LinkedHashMap<K, V>(capacity), transform)\n}\n\n/\*\*\n \* Returns a [Map] containing key-value pairs provided by [transform] function\n \* applied to elements of the given array.\n \* \n \* If any of two pairs would have the same key the last one gets added to the map.\n \* \n \* The returned map preserves the entry iteration order of the original array.\n \* \n \* @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitives\n \*^\npublic inline fun <K, V> ShortArray.associate(transform: (Short) -> Pair<K, V>): Map<K, V> {\n val capacity = mapCapacity(size).coerceAtLeast(16)\n return associateTo(LinkedHashMap<K, V>(capacity), transform)\n}\n\n/\*\*\n \* Returns a [Map] containing key-value pairs provided by [transform] function\n \* applied to elements of the given array.\n \* \n \* If any of two pairs would have the same key the last one gets added to the map.\n \* \n \* The returned map preserves the entry iteration order of the original array.\n \* \n \* @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitives\n \*^\npublic inline fun <K, V> IntArray.associate(transform: (Int) -> Pair<K, V>): Map<K, V> {\n val capacity = mapCapacity(size).coerceAtLeast(16)\n return associateTo(LinkedHashMap<K, V>(capacity), transform)\n}\n\n/\*\*\n \* Returns a [Map] containing key-value pairs provided by [transform] function\n \* applied to elements of the given array.\n \* \n \* If any of two pairs would have the same key the last one gets added to the map.\n \* \n \* The returned map preserves the entry iteration order of the original array.\n \* \n \* @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitives\n \*^\npublic inline fun <K, V> LongArray.associate(transform: (Long) -> Pair<K, V>): Map<K, V> {\n val capacity = mapCapacity(size).coerceAtLeast(16)\n return associateTo(LinkedHashMap<K, V>(capacity), transform)\n}\n\n/\*\*\n \* Returns a [Map] containing key-value pairs provided by [transform] function\n \* applied to elements of the given array.\n \* \n \* If any of two pairs would have the same key the last one gets added to the map.\n \* \n \* The returned map preserves the entry iteration order of the original array.\n \* \n \* @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitives\n \*^\npublic inline fun <K, V> FloatArray.associate(transform: (Float) -> Pair<K, V>): Map<K, V> {\n val capacity = mapCapacity(size).coerceAtLeast(16)\n return associateTo(LinkedHashMap<K, V>(capacity), transform)\n}\n\n/\*\*\n \* Returns a [Map] containing key-value pairs provided by [transform] function\n \* applied to elements of the given array.\n \* \n \* If any of two pairs would have the same key the last one gets added to the map.\n \* \n \* The returned map preserves the entry iteration order of the original array.\n \* \n \* @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitives\n \*^\npublic inline fun <K, V> DoubleArray.associate(transform: (Double) -> Pair<K, V>): Map<K, V> {\n val capacity =

```

mapCapacity(size).coerceAtLeast(16)\n return associateTo(LinkedHashMap<K, V>(capacity),
transform)\n}\n\n/**\n * Returns a [Map] containing key-value pairs provided by [transform] function\n * applied to
elements of the given array.\n * \n * If any of two pairs would have the same key the last one gets added to the
map.\n * \n * The returned map preserves the entry iteration order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitives\n *\npublic inline fun <K, V>
BooleanArray.associate(transform: (Boolean) -> Pair<K, V>): Map<K, V> {\n val capacity =
mapCapacity(size).coerceAtLeast(16)\n return associateTo(LinkedHashMap<K, V>(capacity),
transform)\n}\n\n/**\n * Returns a [Map] containing key-value pairs provided by [transform] function\n * applied to
elements of the given array.\n * \n * If any of two pairs would have the same key the last one gets added to the
map.\n * \n * The returned map preserves the entry iteration order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitives\n *\npublic inline fun <K, V>
CharArray.associate(transform: (Char) -> Pair<K, V>): Map<K, V> {\n val capacity =
mapCapacity(size).coerceAtLeast(16)\n return associateTo(LinkedHashMap<K, V>(capacity),
transform)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesBy\n *\npublic inline fun <T, K>
Array<out T>.associateBy(keySelector: (T) -> K): Map<K, T> {\n val capacity =
mapCapacity(size).coerceAtLeast(16)\n return associateByTo(LinkedHashMap<K, T>(capacity),
keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesBy\n *\npublic inline fun <K>
ByteArray.associateBy(keySelector: (Byte) -> K): Map<K, Byte> {\n val capacity =
mapCapacity(size).coerceAtLeast(16)\n return associateByTo(LinkedHashMap<K, Byte>(capacity),
keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesBy\n *\npublic inline fun <K>
ShortArray.associateBy(keySelector: (Short) -> K): Map<K, Short> {\n val capacity =
mapCapacity(size).coerceAtLeast(16)\n return associateByTo(LinkedHashMap<K, Short>(capacity),
keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesBy\n *\npublic inline fun <K>
IntArray.associateBy(keySelector: (Int) -> K): Map<K, Int> {\n val capacity =
mapCapacity(size).coerceAtLeast(16)\n return associateByTo(LinkedHashMap<K, Int>(capacity),
keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesBy\n *\npublic inline fun <K>
LongArray.associateBy(keySelector: (Long) -> K): Map<K, Long> {\n val capacity =
mapCapacity(size).coerceAtLeast(16)\n return associateByTo(LinkedHashMap<K, Long>(capacity),

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keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesBy\n *\npublic inline fun <K>
FloatArray.associateBy(keySelector: (Float) -> K): Map<K, Float> {\n  val capacity =
mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, Float>(capacity),
keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesBy\n *\npublic inline fun <K>
DoubleArray.associateBy(keySelector: (Double) -> K): Map<K, Double> {\n  val capacity =
mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, Double>(capacity),
keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesBy\n *\npublic inline fun <K>
BooleanArray.associateBy(keySelector: (Boolean) -> K): Map<K, Boolean> {\n  val capacity =
mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, Boolean>(capacity),
keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesBy\n *\npublic inline fun <K>
CharArray.associateBy(keySelector: (Char) -> K): Map<K, Char> {\n  val capacity =
mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, Char>(capacity),
keySelector)\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform] and indexed by
[keySelector] functions applied to elements of the given array.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByWithValueTransform\n *\npublic inline
fun <T, K, V> Array<out T>.associateBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, V> {\n  val
capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, V>(capacity),
keySelector, valueTransform)\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform]
and indexed by [keySelector] functions applied to elements of the given array.\n * \n * If any two elements would
have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves
the entry iteration order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByWithValueTransform\n *\npublic inline
fun <K, V> ByteArray.associateBy(keySelector: (Byte) -> K, valueTransform: (Byte) -> V): Map<K, V> {\n  val
capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, V>(capacity),
keySelector, valueTransform)\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform]
and indexed by [keySelector] functions applied to elements of the given array.\n * \n * If any two elements would
have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves
the entry iteration order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByWithValueTransform\n *\npublic inline
fun <K, V> ShortArray.associateBy(keySelector: (Short) -> K, valueTransform: (Short) -> V): Map<K, V> {\n

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val capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, V>(capacity),
keySelector, valueTransform)\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform]
and indexed by [keySelector] functions applied to elements of the given array.\n * \n * If any two elements would
have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves
the entry iteration order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByWithValueTransform\n *\npublic inline
fun <K, V> IntArray.associateBy(keySelector: (Int) -> K, valueTransform: (Int) -> V): Map<K, V> {\n  val
capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, V>(capacity),
keySelector, valueTransform)\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform]
and indexed by [keySelector] functions applied to elements of the given array.\n * \n * If any two elements would
have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves
the entry iteration order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByWithValueTransform\n *\npublic inline
fun <K, V> LongArray.associateBy(keySelector: (Long) -> K, valueTransform: (Long) -> V): Map<K, V> {\n  val
capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, V>(capacity),
keySelector, valueTransform)\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform]
and indexed by [keySelector] functions applied to elements of the given array.\n * \n * If any two elements would
have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves
the entry iteration order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByWithValueTransform\n *\npublic inline
fun <K, V> FloatArray.associateBy(keySelector: (Float) -> K, valueTransform: (Float) -> V): Map<K, V> {\n  val
capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, V>(capacity),
keySelector, valueTransform)\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform]
and indexed by [keySelector] functions applied to elements of the given array.\n * \n * If any two elements would
have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves
the entry iteration order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByWithValueTransform\n *\npublic inline
fun <K, V> DoubleArray.associateBy(keySelector: (Double) -> K, valueTransform: (Double) -> V): Map<K, V>
{\n  val capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K,
V>(capacity), keySelector, valueTransform)\n}\n\n/**\n * Returns a [Map] containing the values provided by
[valueTransform] and indexed by [keySelector] functions applied to elements of the given array.\n * \n * If any two
elements would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The
returned map preserves the entry iteration order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByWithValueTransform\n *\npublic inline
fun <K, V> BooleanArray.associateBy(keySelector: (Boolean) -> K, valueTransform: (Boolean) -> V): Map<K, V>
{\n  val capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K,
V>(capacity), keySelector, valueTransform)\n}\n\n/**\n * Returns a [Map] containing the values provided by
[valueTransform] and indexed by [keySelector] functions applied to elements of the given array.\n * \n * If any two
elements would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The
returned map preserves the entry iteration order of the original array.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByWithValueTransform\n *\npublic inline
fun <K, V> CharArray.associateBy(keySelector: (Char) -> K, valueTransform: (Char) -> V): Map<K, V> {\n  val
capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, V>(capacity),
keySelector, valueTransform)\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value
pairs,\n * where key is provided by the [keySelector] function applied to each element of the given array\n * and
value is the element itself.\n * \n * If any two elements would have the same key returned by [keySelector] the last
one gets added to the map.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByTo\n *\npublic inline fun <T, K, M :

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MutableMap<in K, in T>> Array<out T>.associateByTo(destination: M, keySelector: (T) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

Populates and returns the [destination] mutable map with key-value pairs,
where key is provided by the [keySelector] function applied to each element of the given array
and value is the element itself.
If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

@sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByTo
public inline fun <K,
M : MutableMap<in K, in Byte>> ByteArray.associateByTo(destination: M, keySelector: (Byte) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

Populates and returns the [destination] mutable map with key-value pairs,
where key is provided by the [keySelector] function applied to each element of the given array
and value is the element itself.
If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

@sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByTo
public inline fun <K,
M : MutableMap<in K, in Short>> ShortArray.associateByTo(destination: M, keySelector: (Short) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

Populates and returns the [destination] mutable map with key-value pairs,
where key is provided by the [keySelector] function applied to each element of the given array
and value is the element itself.
If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

@sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByTo
public inline fun <K,
M : MutableMap<in K, in Int>> IntArray.associateByTo(destination: M, keySelector: (Int) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

Populates and returns the [destination] mutable map with key-value pairs,
where key is provided by the [keySelector] function applied to each element of the given array
and value is the element itself.
If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

@sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByTo
public inline fun <K,
M : MutableMap<in K, in Long>> LongArray.associateByTo(destination: M, keySelector: (Long) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

Populates and returns the [destination] mutable map with key-value pairs,
where key is provided by the [keySelector] function applied to each element of the given array
and value is the element itself.
If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

@sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByTo
public inline fun <K,
M : MutableMap<in K, in Float>> FloatArray.associateByTo(destination: M, keySelector: (Float) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

Populates and returns the [destination] mutable map with key-value pairs,
where key is provided by the [keySelector] function applied to each element of the given array
and value is the element itself.
If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

@sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByTo
public inline fun <K,
M : MutableMap<in K, in Double>> DoubleArray.associateByTo(destination: M, keySelector: (Double) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

Populates and returns the [destination] mutable map with key-value pairs,
where key is provided by the [keySelector] function applied to each element of the given array
and value is the element itself.
If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

@sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByTo
public inline fun <K,
M : MutableMap<in K, in Boolean>> BooleanArray.associateByTo(destination: M, keySelector: (Boolean) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

Populates and returns the [destination] mutable map with key-value pairs,
where key is provided by the [keySelector] function applied to each element of the given array
and value is the element itself.
If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

@sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByTo
public

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inline fun <K, M : MutableMap<in K, in Char>> CharArray.associateByTo(destination: M, keySelector: (Char) -> K): M {\n for (element in this) {\n destination.put(keySelector(element), element)\n }\n return destination}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function and\n * and value is provided by the [valueTransform] function applied to elements of the given array.\n * \n * If any two elements would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * @sample
```

```
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByToWithValueTransform\n\npublic inline fun <T, K, V, M : MutableMap<in K, in V>> Array<out T>.associateByTo(destination: M, keySelector: (T) -> K, valueTransform: (T) -> V): M {\n for (element in this) {\n destination.put(keySelector(element), valueTransform(element))\n }\n return destination}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function and\n * and value is provided by the [valueTransform] function applied to elements of the given array.\n * \n * If any two elements would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * @sample
```

```
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByToWithValueTransform\n\npublic inline fun <K, V, M : MutableMap<in K, in V>> ByteArray.associateByTo(destination: M, keySelector: (Byte) -> K, valueTransform: (Byte) -> V): M {\n for (element in this) {\n destination.put(keySelector(element), valueTransform(element))\n }\n return destination}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function and\n * and value is provided by the [valueTransform] function applied to elements of the given array.\n * \n * If any two elements would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * @sample
```

```
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByToWithValueTransform\n\npublic inline fun <K, V, M : MutableMap<in K, in V>> ShortArray.associateByTo(destination: M, keySelector: (Short) -> K, valueTransform: (Short) -> V): M {\n for (element in this) {\n destination.put(keySelector(element), valueTransform(element))\n }\n return destination}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function and\n * and value is provided by the [valueTransform] function applied to elements of the given array.\n * \n * If any two elements would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * @sample
```

```
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByToWithValueTransform\n\npublic inline fun <K, V, M : MutableMap<in K, in V>> IntArray.associateByTo(destination: M, keySelector: (Int) -> K, valueTransform: (Int) -> V): M {\n for (element in this) {\n destination.put(keySelector(element), valueTransform(element))\n }\n return destination}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function and\n * and value is provided by the [valueTransform] function applied to elements of the given array.\n * \n * If any two elements would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * @sample
```

```
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByToWithValueTransform\n\npublic inline fun <K, V, M : MutableMap<in K, in V>> LongArray.associateByTo(destination: M, keySelector: (Long) -> K, valueTransform: (Long) -> V): M {\n for (element in this) {\n destination.put(keySelector(element), valueTransform(element))\n }\n return destination}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function and\n * and value is provided by the [valueTransform] function applied to elements of the given array.\n * \n * If any two elements would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * @sample
```

```
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByToWithValueTransform\n\npublic inline fun <K, V, M : MutableMap<in K, in V>> FloatArray.associateByTo(destination: M, keySelector: (Float) -> K, valueTransform: (Float) -> V): M {\n for (element in this) {\n destination.put(keySelector(element), valueTransform(element))\n }\n return destination}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function and\n * and value is provided by the [valueTransform] function applied to elements of the given array.\n * \n * If any two elements would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * @sample
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```

samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByToWithValueTransform\n *\npublic
inline fun <K, V, M : MutableMap<in K, in V>> DoubleArray.associateByTo(destination: M, keySelector:
(Double) -> K, valueTransform: (Double) -> V): M {\n  for (element in this) {\n
destination.put(keySelector(element), valueTransform(element))\n  }\n  return destination\n}\n\n/**\n * Populates
and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector]
function and\n * and value is provided by the [valueTransform] function applied to elements of the given array.\n *
\n * If any two elements would have the same key returned by [keySelector] the last one gets added to the map.\n *
\n * @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByToWithValueTransform\n
*\npublic inline fun <K, V, M : MutableMap<in K, in V>> BooleanArray.associateByTo(destination: M,
keySelector: (Boolean) -> K, valueTransform: (Boolean) -> V): M {\n  for (element in this) {\n
destination.put(keySelector(element), valueTransform(element))\n  }\n  return destination\n}\n\n/**\n * Populates
and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector]
function and\n * and value is provided by the [valueTransform] function applied to elements of the given array.\n *
\n * If any two elements would have the same key returned by [keySelector] the last one gets added to the map.\n *
\n * @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesByToWithValueTransform\n
*\npublic inline fun <K, V, M : MutableMap<in K, in V>> CharArray.associateByTo(destination: M, keySelector:
(Char) -> K, valueTransform: (Char) -> V): M {\n  for (element in this) {\n
destination.put(keySelector(element), valueTransform(element))\n  }\n  return destination\n}\n\n/**\n * Populates
and returns the [destination] mutable map with key-value pairs\n * provided by [transform] function applied to each
element of the given array.\n * \n * If any of two pairs would have the same key the last one gets added to the
map.\n * \n * @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesTo\n *\npublic
inline fun <T, K, V, M : MutableMap<in K, in V>> Array<out T>.associateTo(destination: M, transform: (T) ->
Pair<K, V>): M {\n  for (element in this) {\n    destination += transform(element)\n  }\n  return
destination\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs\n * provided by
[transform] function applied to each element of the given array.\n * \n * If any of two pairs would have the same key
the last one gets added to the map.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesTo\n *\npublic inline fun <K, V, M :
MutableMap<in K, in V>> ByteArray.associateTo(destination: M, transform: (Byte) -> Pair<K, V>): M {\n  for
(element in this) {\n    destination += transform(element)\n  }\n  return destination\n}\n\n/**\n * Populates and
returns the [destination] mutable map with key-value pairs\n * provided by [transform] function applied to each
element of the given array.\n * \n * If any of two pairs would have the same key the last one gets added to the
map.\n * \n * @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesTo\n *\npublic
inline fun <K, V, M : MutableMap<in K, in V>> ShortArray.associateTo(destination: M, transform: (Short) ->
Pair<K, V>): M {\n  for (element in this) {\n    destination += transform(element)\n  }\n  return
destination\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs\n * provided by
[transform] function applied to each element of the given array.\n * \n * If any of two pairs would have the same key
the last one gets added to the map.\n * \n * @sample
samples.collections.Arrays.Transformations.associateArrayOfPrimitivesTo\n *\npublic inline fun <K, V, M :
MutableMap<in K, in V>> IntArray.associateTo(destination: M, transform: (Int) -> Pair<K, V>): M {\n  for
(element in this) {\n    destination += transform(element)\n  }\n  return destination\n}\n\n/**\n * Populates and
returns the [destination] mutable map with key-value pairs\n * provided by [transform] function applied to each
element of the given array.\n * \n * If any of two pairs would have the same key the last one gets added to the
map.\n * \n * @sample samples.collections.Arrays.Transformations.associateArrayOfPrimitivesTo\n *\npublic
inline fun <K, V, M : MutableMap<in K, in V>> LongArray.associateTo(destination: M, transform: (Long) ->
Pair<K, V>): M {\n  for (element in this) {\n    destination += transform(element)\n  }\n  return
destination\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs\n * provided by
[transform] function applied to each element of the given array.\n * \n * If any of two pairs would have the same key
the last one gets added to the map.\n * \n * @sample

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returned map preserves the entry iteration order of the original array.\n * \n * @sample
samples.collections.Collections.Transformations.associateWith\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V>
LongArray.associateWith(valueSelector: (Long) -> V): Map<Long, V> {\n    val result = LinkedHashMap<Long,
V>(mapCapacity(size).coerceAtLeast(16))\n    return associateWithTo(result, valueSelector)\n}\n\n/**\n * Returns a
[Map] where keys are elements from the given array and values are\n * produced by the [valueSelector] function
applied to each element.\n * \n * If any two elements are equal, the last one gets added to the map.\n * \n * The
returned map preserves the entry iteration order of the original array.\n * \n * @sample
samples.collections.Collections.Transformations.associateWith\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V>
FloatArray.associateWith(valueSelector: (Float) -> V): Map<Float, V> {\n    val result = LinkedHashMap<Float,
V>(mapCapacity(size).coerceAtLeast(16))\n    return associateWithTo(result, valueSelector)\n}\n\n/**\n * Returns a
[Map] where keys are elements from the given array and values are\n * produced by the [valueSelector] function
applied to each element.\n * \n * If any two elements are equal, the last one gets added to the map.\n * \n * The
returned map preserves the entry iteration order of the original array.\n * \n * @sample
samples.collections.Collections.Transformations.associateWith\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V>
DoubleArray.associateWith(valueSelector: (Double) -> V): Map<Double, V> {\n    val result =
LinkedHashMap<Double, V>(mapCapacity(size).coerceAtLeast(16))\n    return associateWithTo(result,
valueSelector)\n}\n\n/**\n * Returns a [Map] where keys are elements from the given array and values are\n *
produced by the [valueSelector] function applied to each element.\n * \n * If any two elements are equal, the last one
gets added to the map.\n * \n * The returned map preserves the entry iteration order of the original array.\n * \n *
@sample samples.collections.Collections.Transformations.associateWith\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V>
BooleanArray.associateWith(valueSelector: (Boolean) -> V): Map<Boolean, V> {\n    val result =
LinkedHashMap<Boolean, V>(mapCapacity(size).coerceAtLeast(16))\n    return associateWithTo(result,
valueSelector)\n}\n\n/**\n * Returns a [Map] where keys are elements from the given array and values are\n *
produced by the [valueSelector] function applied to each element.\n * \n * If any two elements are equal, the last one
gets added to the map.\n * \n * The returned map preserves the entry iteration order of the original array.\n * \n *
@sample samples.collections.Collections.Transformations.associateWith\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V>
CharArray.associateWith(valueSelector: (Char) -> V): Map<Char, V> {\n    val result = LinkedHashMap<Char,
V>(mapCapacity(size.coerceAtMost(128)).coerceAtLeast(16))\n    return associateWithTo(result,
valueSelector)\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs for each
element of the given array,\n * where key is the element itself and value is provided by the [valueSelector] function
applied to that key.\n * \n * If any two elements are equal, the last one overwrites the former value in the map.\n * \n *
@sample samples.collections.Collections.Transformations.associateWithTo\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic
inline fun <K, V, M : MutableMap<in K, in V>> Array<out K>.associateWithTo(destination: M, valueSelector: (K)
-> V): M {\n    for (element in this) {\n        destination.put(element, valueSelector(element))\n    }\n    return
destination\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs for each element
of the given array,\n * where key is the element itself and value is provided by the [valueSelector] function applied
to that key.\n * \n * If any two elements are equal, the last one overwrites the former value in the map.\n * \n *
@sample samples.collections.Collections.Transformations.associateWithTo\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V, M : MutableMap<in Byte, in V>>
ByteArray.associateWithTo(destination: M, valueSelector: (Byte) -> V): M {\n    for (element in this) {\n
destination.put(element, valueSelector(element))\n    }\n    return destination\n}\n\n/**\n * Populates and returns the
[destination] mutable map with key-value pairs for each element of the given array,\n * where key is the element
itself and value is provided by the [valueSelector] function applied to that key.\n * \n * If any two elements are

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equal, the last one overwrites the former value in the map.\n * \n * @sample
samples.collections.Collections.Transformations.associateWithTo\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V, M : MutableMap<in Short, in V>>
ShortArray.associateWithTo(destination: M, valueSelector: (Short) -> V): M {\n  for (element in this) {\n
destination.put(element, valueSelector(element))\n  }\n  return destination\n}\n\n/**\n * Populates and returns the
[destination] mutable map with key-value pairs for each element of the given array,\n * where key is the element
itself and value is provided by the [valueSelector] function applied to that key.\n * \n * If any two elements are
equal, the last one overwrites the former value in the map.\n * \n * @sample
samples.collections.Collections.Transformations.associateWithTo\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V, M : MutableMap<in Int, in V>>
IntArray.associateWithTo(destination: M, valueSelector: (Int) -> V): M {\n  for (element in this) {\n
destination.put(element, valueSelector(element))\n  }\n  return destination\n}\n\n/**\n * Populates and returns the
[destination] mutable map with key-value pairs for each element of the given array,\n * where key is the element
itself and value is provided by the [valueSelector] function applied to that key.\n * \n * If any two elements are
equal, the last one overwrites the former value in the map.\n * \n * @sample
samples.collections.Collections.Transformations.associateWithTo\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V, M : MutableMap<in Long, in V>>
LongArray.associateWithTo(destination: M, valueSelector: (Long) -> V): M {\n  for (element in this) {\n
destination.put(element, valueSelector(element))\n  }\n  return destination\n}\n\n/**\n * Populates and returns the
[destination] mutable map with key-value pairs for each element of the given array,\n * where key is the element
itself and value is provided by the [valueSelector] function applied to that key.\n * \n * If any two elements are
equal, the last one overwrites the former value in the map.\n * \n * @sample
samples.collections.Collections.Transformations.associateWithTo\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V, M : MutableMap<in Float, in V>>
FloatArray.associateWithTo(destination: M, valueSelector: (Float) -> V): M {\n  for (element in this) {\n
destination.put(element, valueSelector(element))\n  }\n  return destination\n}\n\n/**\n * Populates and returns the
[destination] mutable map with key-value pairs for each element of the given array,\n * where key is the element
itself and value is provided by the [valueSelector] function applied to that key.\n * \n * If any two elements are
equal, the last one overwrites the former value in the map.\n * \n * @sample
samples.collections.Collections.Transformations.associateWithTo\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V, M : MutableMap<in Double, in V>>
DoubleArray.associateWithTo(destination: M, valueSelector: (Double) -> V): M {\n  for (element in this) {\n
destination.put(element, valueSelector(element))\n  }\n  return destination\n}\n\n/**\n * Populates and returns the
[destination] mutable map with key-value pairs for each element of the given array,\n * where key is the element
itself and value is provided by the [valueSelector] function applied to that key.\n * \n * If any two elements are
equal, the last one overwrites the former value in the map.\n * \n * @sample
samples.collections.Collections.Transformations.associateWithTo\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V, M : MutableMap<in Boolean, in
V>> BooleanArray.associateWithTo(destination: M, valueSelector: (Boolean) -> V): M {\n  for (element in this)
{\n  destination.put(element, valueSelector(element))\n  }\n  return destination\n}\n\n/**\n * Populates and
returns the [destination] mutable map with key-value pairs for each element of the given array,\n * where key is the
element itself and value is provided by the [valueSelector] function applied to that key.\n * \n * If any two elements
are equal, the last one overwrites the former value in the map.\n * \n * @sample
samples.collections.Collections.Transformations.associateWithTo\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <V, M : MutableMap<in Char, in V>>
CharArray.associateWithTo(destination: M, valueSelector: (Char) -> V): M {\n  for (element in this) {\n
destination.put(element, valueSelector(element))\n  }\n  return destination\n}\n\n/**\n * Appends all elements to
the given [destination] collection.\n */\npublic fun <T, C : MutableCollection<in T>> Array<out

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T>.toCollection(destination: C): C {\n for (item in this) {\n destination.add(item)\n }\n return
destination\n}\n\n/**\n * Appends all elements to the given [destination] collection.\n */\npublic fun <C :
MutableCollection<in Byte>> ByteArray.toCollection(destination: C): C {\n for (item in this) {\n
destination.add(item)\n }\n return destination\n}\n\n/**\n * Appends all elements to the given [destination]
collection.\n */\npublic fun <C : MutableCollection<in Short>> ShortArray.toCollection(destination: C): C {\n for
(item in this) {\n destination.add(item)\n }\n return destination\n}\n\n/**\n * Appends all elements to the
given [destination] collection.\n */\npublic fun <C : MutableCollection<in Int>> IntArray.toCollection(destination:
C): C {\n for (item in this) {\n destination.add(item)\n }\n return destination\n}\n\n/**\n * Appends all
elements to the given [destination] collection.\n */\npublic fun <C : MutableCollection<in Long>>
LongArray.toCollection(destination: C): C {\n for (item in this) {\n destination.add(item)\n }\n return
destination\n}\n\n/**\n * Appends all elements to the given [destination] collection.\n */\npublic fun <C :
MutableCollection<in Float>> FloatArray.toCollection(destination: C): C {\n for (item in this) {\n
destination.add(item)\n }\n return destination\n}\n\n/**\n * Appends all elements to the given [destination]
collection.\n */\npublic fun <C : MutableCollection<in Double>> DoubleArray.toCollection(destination: C): C {\n
for (item in this) {\n destination.add(item)\n }\n return destination\n}\n\n/**\n * Appends all elements to the
given [destination] collection.\n */\npublic fun <C : MutableCollection<in Boolean>>
BooleanArray.toCollection(destination: C): C {\n for (item in this) {\n destination.add(item)\n }\n return
destination\n}\n\n/**\n * Appends all elements to the given [destination] collection.\n */\npublic fun <C :
MutableCollection<in Char>> CharArray.toCollection(destination: C): C {\n for (item in this) {\n
destination.add(item)\n }\n return destination\n}\n\n/**\n * Returns a new [HashSet] of all elements.\n
*/\npublic fun <T> Array<out T>.toHashSet(): HashSet<T> {\n return
toCollection(HashSet<T>(mapCapacity(size)))\n}\n\n/**\n * Returns a new [HashSet] of all elements.\n
*/\npublic fun ByteArray.toHashSet(): HashSet<Byte> {\n return
toCollection(HashSet<Byte>(mapCapacity(size)))\n}\n\n/**\n * Returns a new [HashSet] of all elements.\n
*/\npublic fun ShortArray.toHashSet(): HashSet<Short> {\n return
toCollection(HashSet<Short>(mapCapacity(size)))\n}\n\n/**\n * Returns a new [HashSet] of all elements.\n
*/\npublic fun IntArray.toHashSet(): HashSet<Int> {\n return
toCollection(HashSet<Int>(mapCapacity(size)))\n}\n\n/**\n * Returns a new [HashSet] of all elements.\n
*/\npublic fun LongArray.toHashSet(): HashSet<Long> {\n return
toCollection(HashSet<Long>(mapCapacity(size)))\n}\n\n/**\n * Returns a new [HashSet] of all elements.\n
*/\npublic fun FloatArray.toHashSet(): HashSet<Float> {\n return
toCollection(HashSet<Float>(mapCapacity(size)))\n}\n\n/**\n * Returns a new [HashSet] of all elements.\n
*/\npublic fun DoubleArray.toHashSet(): HashSet<Double> {\n return
toCollection(HashSet<Double>(mapCapacity(size)))\n}\n\n/**\n * Returns a new [HashSet] of all elements.\n
*/\npublic fun BooleanArray.toHashSet(): HashSet<Boolean> {\n return
toCollection(HashSet<Boolean>(mapCapacity(size)))\n}\n\n/**\n * Returns a new [HashSet] of all elements.\n
*/\npublic fun CharArray.toHashSet(): HashSet<Char> {\n return
toCollection(HashSet<Char>(mapCapacity(size.coerceAtMost(128))))\n}\n\n/**\n * Returns a [List] containing all
elements.\n */\npublic fun <T> Array<out T>.toList(): List<T> {\n return when (size) {\n 0 -> emptyList()\n
1 -> listOf(this[0])\n else -> this.toMutableList()\n }\n}\n\n/**\n * Returns a [List] containing all
elements.\n */\npublic fun ByteArray.toList(): List<Byte> {\n return when (size) {\n 0 -> emptyList()\n 1
-> listOf(this[0])\n else -> this.toMutableList()\n }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun ShortArray.toList(): List<Short> {\n return when (size) {\n 0 -> emptyList()\n 1 ->
listOf(this[0])\n else -> this.toMutableList()\n }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun IntArray.toList(): List<Int> {\n return when (size) {\n 0 -> emptyList()\n 1 ->
listOf(this[0])\n else -> this.toMutableList()\n }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun LongArray.toList(): List<Long> {\n return when (size) {\n 0 -> emptyList()\n 1 ->
listOf(this[0])\n else -> this.toMutableList()\n }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\n

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*\npublic fun FloatArray.toList(): List<Float> {\n    return when (size) {\n        0 -> emptyList()\n        1 ->
listOf(this[0])\n        else -> this.toMutableList()\n    }\n}\n\n/**\n * Returns a [List] containing all elements.\n */
*\npublic fun DoubleArray.toList(): List<Double> {\n    return when (size) {\n        0 -> emptyList()\n        1 ->
listOf(this[0])\n        else -> this.toMutableList()\n    }\n}\n\n/**\n * Returns a [List] containing all elements.\n */
*\npublic fun BooleanArray.toList(): List<Boolean> {\n    return when (size) {\n        0 -> emptyList()\n        1 ->
listOf(this[0])\n        else -> this.toMutableList()\n    }\n}\n\n/**\n * Returns a [List] containing all elements.\n */
*\npublic fun CharArray.toList(): List<Char> {\n    return when (size) {\n        0 -> emptyList()\n        1 ->
listOf(this[0])\n        else -> this.toMutableList()\n    }\n}\n\n/**\n * Returns a new [MutableList] filled with all
elements of this array.\n */
*\npublic fun <T> Array<out T>.toMutableList(): MutableList<T> {\n    return
ArrayList(this.asCollection())\n}\n\n/**\n * Returns a new [MutableList] filled with all elements of this array.\n */
*\npublic fun ByteArray.toMutableList(): MutableList<Byte> {\n    val list = ArrayList<Byte>(size)\n    for (item
in this) list.add(item)\n    return list\n}\n\n/**\n * Returns a new [MutableList] filled with all elements of this
array.\n */
*\npublic fun ShortArray.toMutableList(): MutableList<Short> {\n    val list = ArrayList<Short>(size)\n    for (item
in this) list.add(item)\n    return list\n}\n\n/**\n * Returns a new [MutableList] filled with all elements of
this array.\n */
*\npublic fun IntArray.toMutableList(): MutableList<Int> {\n    val list = ArrayList<Int>(size)\n    for (item
in this) list.add(item)\n    return list\n}\n\n/**\n * Returns a new [MutableList] filled with all elements of this
array.\n */
*\npublic fun LongArray.toMutableList(): MutableList<Long> {\n    val list = ArrayList<Long>(size)\n    for (item
in this) list.add(item)\n    return list\n}\n\n/**\n * Returns a new [MutableList] filled with all elements of
this array.\n */
*\npublic fun FloatArray.toMutableList(): MutableList<Float> {\n    val list =
ArrayList<Float>(size)\n    for (item in this) list.add(item)\n    return list\n}\n\n/**\n * Returns a new [MutableList]
filled with all elements of this array.\n */
*\npublic fun DoubleArray.toMutableList(): MutableList<Double> {\n    val
list = ArrayList<Double>(size)\n    for (item in this) list.add(item)\n    return list\n}\n\n/**\n * Returns a new
[MutableList] filled with all elements of this array.\n */
*\npublic fun BooleanArray.toMutableList():
MutableList<Boolean> {\n    val list = ArrayList<Boolean>(size)\n    for (item in this) list.add(item)\n    return
list\n}\n\n/**\n * Returns a new [MutableList] filled with all elements of this array.\n */
*\npublic fun
CharArray.toMutableList(): MutableList<Char> {\n    val list = ArrayList<Char>(size)\n    for (item in this)
list.add(item)\n    return list\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n * The returned set preserves the
element iteration order of the original array.\n */
*\npublic fun <T> Array<out T>.toSet(): Set<T> {\n    return when
(size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->
toCollection(LinkedHashSet<T>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n *
The returned set preserves the element iteration order of the original array.\n */
*\npublic fun ByteArray.toSet():
Set<Byte> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->
toCollection(LinkedHashSet<Byte>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n *
The returned set preserves the element iteration order of the original array.\n */
*\npublic fun ShortArray.toSet():
Set<Short> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->
toCollection(LinkedHashSet<Short>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n *
The returned set preserves the element iteration order of the original array.\n */
*\npublic fun IntArray.toSet():
Set<Int> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->
toCollection(LinkedHashSet<Int>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n *
The returned set preserves the element iteration order of the original array.\n */
*\npublic fun LongArray.toSet():
Set<Long> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->
toCollection(LinkedHashSet<Long>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n *
The returned set preserves the element iteration order of the original array.\n */
*\npublic fun FloatArray.toSet():
Set<Float> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->
toCollection(LinkedHashSet<Float>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n *
The returned set preserves the element iteration order of the original array.\n */
*\npublic fun DoubleArray.toSet():
Set<Double> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->
toCollection(LinkedHashSet<Double>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n */

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\n * The returned set preserves the element iteration order of the original array.\n */\npublic fun
BooleanArray.toSet(): Set<Boolean> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n    }
    else -> toCollection(LinkedHashSet<Boolean>(mapCapacity(size)))\n }
}\n\n/**\n * Returns a [Set] of all
elements.\n */\n * The returned set preserves the element iteration order of the original array.\n */\npublic fun
CharArray.toSet(): Set<Char> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n    }
    else -
> toCollection(LinkedHashSet<Char>(mapCapacity(size.coerceAtMost(128))))\n }
}\n\n/**\n * Returns a single
list of all elements yielded from results of [transform] function being invoked on each element of original array.\n */
\n * @sample samples.collections.Collections.Transformations.flatMap\n */\npublic inline fun <T, R> Array<out
T>.flatMap(transform: (T) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(), transform)\n }
}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being invoked on each element of
original array.\n */\n * @sample samples.collections.Collections.Transformations.flatMap\n */\npublic inline fun
<R> ByteArray.flatMap(transform: (Byte) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(),
transform)\n }
}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element of original array.\n */\n * @sample
samples.collections.Collections.Transformations.flatMap\n */\npublic inline fun <R> ShortArray.flatMap(transform:
(Short) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(), transform)\n }
}\n\n/**\n * Returns a single
list of all elements yielded from results of [transform] function being invoked on each element of original array.\n */
\n * @sample samples.collections.Collections.Transformations.flatMap\n */\npublic inline fun <R>
IntArray.flatMap(transform: (Int) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(),
transform)\n }
}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element of original array.\n */\n * @sample
samples.collections.Collections.Transformations.flatMap\n */\npublic inline fun <R> LongArray.flatMap(transform:
(Long) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(), transform)\n }
}\n\n/**\n * Returns a single
list of all elements yielded from results of [transform] function being invoked on each element of original array.\n */
\n * @sample samples.collections.Collections.Transformations.flatMap\n */\npublic inline fun <R>
FloatArray.flatMap(transform: (Float) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(),
transform)\n }
}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element of original array.\n */\n * @sample
samples.collections.Collections.Transformations.flatMap\n */\npublic inline fun <R>
DoubleArray.flatMap(transform: (Double) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(),
transform)\n }
}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element of original array.\n */\n * @sample
samples.collections.Collections.Transformations.flatMap\n */\npublic inline fun <R>
BooleanArray.flatMap(transform: (Boolean) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(),
transform)\n }
}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element of original array.\n */\n * @sample
samples.collections.Collections.Transformations.flatMap\n */\npublic inline fun <R> CharArray.flatMap(transform:
(Char) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(), transform)\n }
}\n\n/**\n * Returns a single
list of all elements yielded from results of [transform] function being invoked on each element of original array.\n */
\n * @sample samples.collections.Collections.Transformations.flatMap\n
*/\n\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapSequence")\npublic inline fun <T, R> Array<out
T>.flatMap(transform: (T) -> Sequence<R>): List<R> {\n    return flatMapTo(ArrayList<R>(),
transform)\n }
}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element\n * and its index in the original array.\n */\n * @sample
samples.collections.Collections.Transformations.flatMapIndexed\n
*/\n\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedIterable")\n@kotlin.internal.InlineOnly\npublic

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inline fun <T, R> Array<out T>.flatMapIndexed(transform: (index: Int, T) -> Iterable<R>): List<R> {\n  return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from
results of [transform] function being invoked on each element\n * and its index in the original array.\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedIterable")\n@kotlin.internal.InlineOnly\npublic
inline fun <R> ByteArray.flatMapIndexed(transform: (index: Int, Byte) -> Iterable<R>): List<R> {\n  return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from
results of [transform] function being invoked on each element\n * and its index in the original array.\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedIterable")\n@kotlin.internal.InlineOnly\npublic
inline fun <R> ShortArray.flatMapIndexed(transform: (index: Int, Short) -> Iterable<R>): List<R> {\n  return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from
results of [transform] function being invoked on each element\n * and its index in the original array.\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedIterable")\n@kotlin.internal.InlineOnly\npublic
inline fun <R> IntArray.flatMapIndexed(transform: (index: Int, Int) -> Iterable<R>): List<R> {\n  return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from
results of [transform] function being invoked on each element\n * and its index in the original array.\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedIterable")\n@kotlin.internal.InlineOnly\npublic
inline fun <R> LongArray.flatMapIndexed(transform: (index: Int, Long) -> Iterable<R>): List<R> {\n  return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from
results of [transform] function being invoked on each element\n * and its index in the original array.\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedIterable")\n@kotlin.internal.InlineOnly\npublic
inline fun <R> FloatArray.flatMapIndexed(transform: (index: Int, Float) -> Iterable<R>): List<R> {\n  return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from
results of [transform] function being invoked on each element\n * and its index in the original array.\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedIterable")\n@kotlin.internal.InlineOnly\npublic
inline fun <R> DoubleArray.flatMapIndexed(transform: (index: Int, Double) -> Iterable<R>): List<R> {\n  return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from
results of [transform] function being invoked on each element\n * and its index in the original array.\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedIterable")\n@kotlin.internal.InlineOnly\npublic
inline fun <R> BooleanArray.flatMapIndexed(transform: (index: Int, Boolean) -> Iterable<R>): List<R> {\n
return flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded
from results of [transform] function being invoked on each element\n * and its index in the original array.\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedIterable")\n@kotlin.internal.InlineOnly\npublic

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inline fun <R> CharArray.flatMapIndexed(transform: (index: Int, Char) -> Iterable<R>): List<R> {
    return flatMapIndexedTo(ArrayList<R>(), transform)
}

/**
 * Returns a single list of all elements yielded from
 * results of [transform] function being invoked on each element
 * and its index in the original array.
 */
@sample samples.collections.Collections.Transformations.flatMapIndexed

*
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolutionByLambdaReturnType
@kotlin.jvm.JvmName("flatMapIndexedSequence")
@kotlin.internal.InlineOnly
public inline fun <T, R> Array<out T>.flatMapIndexed(transform: (index: Int, T) -> Sequence<R>): List<R> {
    return flatMapIndexedTo(ArrayList<R>(), transform)
}

/**
 * Appends all elements yielded from results of
 * [transform] function being invoked on each element
 * and its index in the original array, to the given
 * [destination].
 */
*
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolutionByLambdaReturnType
@kotlin.jvm.JvmName("flatMapIndexedIterableTo")
@kotlin.internal.InlineOnly
public inline fun <T, R, C : MutableCollection<in R>> Array<out T>.flatMapIndexedTo(destination: C, transform:
(index: Int, T) -> Iterable<R>): C {
    var index = 0
    for (element in this) {
        val list = transform(index++,
element)
        destination.addAll(list)
    }
    return destination
}

/**
 * Appends all elements yielded from
 * results of [transform] function being invoked on each element
 * and its index in the original array, to the given
 * [destination].
 */
*
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolutionByLambdaReturnType
@kotlin.jvm.JvmName("flatMapIndexedIterableTo")
@kotlin.internal.InlineOnly
public inline fun <R, C : MutableCollection<in R>> ByteArray.flatMapIndexedTo(destination: C, transform: (index: Int,
Byte) -> Iterable<R>): C {
    var index = 0
    for (element in this) {
        val list = transform(index++,
element)
        destination.addAll(list)
    }
    return destination
}

/**
 * Appends all elements yielded from
 * results of [transform] function being invoked on each element
 * and its index in the original array, to the given
 * [destination].
 */
*
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolutionByLambdaReturnType
@kotlin.jvm.JvmName("flatMapIndexedIterableTo")
@kotlin.internal.InlineOnly
public inline fun <R, C : MutableCollection<in R>> ShortArray.flatMapIndexedTo(destination: C, transform: (index: Int,
Short) -> Iterable<R>): C {
    var index = 0
    for (element in this) {
        val list = transform(index++,
element)
        destination.addAll(list)
    }
    return destination
}

/**
 * Appends all elements yielded from
 * results of [transform] function being invoked on each element
 * and its index in the original array, to the given
 * [destination].
 */
*
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolutionByLambdaReturnType
@kotlin.jvm.JvmName("flatMapIndexedIterableTo")
@kotlin.internal.InlineOnly
public inline fun <R, C : MutableCollection<in R>> IntArray.flatMapIndexedTo(destination: C, transform: (index: Int,
Int) -> Iterable<R>): C {
    var index = 0
    for (element in this) {
        val list = transform(index++, element)
        destination.addAll(list)
    }
    return destination
}

/**
 * Appends all elements yielded from results of
 * [transform] function being invoked on each element
 * and its index in the original array, to the given
 * [destination].
 */
*
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolutionByLambdaReturnType
@kotlin.jvm.JvmName("flatMapIndexedIterableTo")
@kotlin.internal.InlineOnly
public inline fun <R, C : MutableCollection<in R>> LongArray.flatMapIndexedTo(destination: C, transform: (index: Int,
Long) -> Iterable<R>): C {
    var index = 0
    for (element in this) {
        val list = transform(index++,
element)
        destination.addAll(list)
    }
    return destination
}

/**
 * Appends all elements yielded from
 * results of [transform] function being invoked on each element
 * and its index in the original array, to the given
 * [destination].
 */
*
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolutionByLambdaReturnType
@kotlin.jvm.JvmName("flatMapIndexedIterableTo")
@kotlin.internal.InlineOnly
public inline fun <R, C : MutableCollection<in R>> FloatArray.flatMapIndexedTo(destination: C, transform: (index: Int,

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Float) -> Iterable<R>): C {
    var index = 0
    for (element in this) {
        val list = transform(index++,
            element)
        destination.addAll(list)
    }
    return destination
}

/** Appends all elements yielded from
results of [transform] function being invoked on each element
* and its index in the original array, to the given
[destination].

*/
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@kotlin.jvm.JvmName("flatMapIndexedIterableTo")
@kotlin.internal.InlineOnly
public inline fun <R, C : MutableCollection<in R>> DoubleArray.flatMapIndexedTo(destination: C, transform: (index: Int, Double) -> Iterable<R>): C {
    var index = 0
    for (element in this) {
        val list = transform(index++,
            element)
        destination.addAll(list)
    }
    return destination
}

/** Appends all elements yielded from
results of [transform] function being invoked on each element
* and its index in the original array, to the given
[destination].

*/
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@kotlin.jvm.JvmName("flatMapIndexedIterableTo")
@kotlin.internal.InlineOnly
public inline fun <R, C : MutableCollection<in R>> BooleanArray.flatMapIndexedTo(destination: C, transform: (index: Int, Boolean) -> Iterable<R>): C {
    var index = 0
    for (element in this) {
        val list = transform(index++,
            element)
        destination.addAll(list)
    }
    return destination
}

/** Appends all elements yielded from
results of [transform] function being invoked on each element
* and its index in the original array, to the given
[destination].

*/
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@kotlin.jvm.JvmName("flatMapIndexedIterableTo")
@kotlin.internal.InlineOnly
public inline fun <R, C : MutableCollection<in R>> CharArray.flatMapIndexedTo(destination: C, transform: (index: Int, Char) -> Iterable<R>): C {
    var index = 0
    for (element in this) {
        val list = transform(index++,
            element)
        destination.addAll(list)
    }
    return destination
}

/** Appends all elements yielded from
results of [transform] function being invoked on each element
* and its index in the original array, to the given
[destination].

*/
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@kotlin.jvm.JvmName("flatMapIndexedSequenceTo")
@kotlin.internal.InlineOnly
public inline fun <T, R, C : MutableCollection<in R>> Array<out T>.flatMapIndexedTo(destination: C, transform: (index: Int, T) -> Sequence<R>): C {
    var index = 0
    for (element in this) {
        val list =
            transform(index++, element)
        destination.addAll(list)
    }
    return destination
}

/** Appends all elements yielded from results of [transform] function being invoked on each element of original array, to the given
[destination].

*/
public inline fun <T, R, C : MutableCollection<in R>> Array<out T>.flatMapTo(destination: C, transform: (T) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}

/** Appends all elements yielded from results of
[transform] function being invoked on each element of original array, to the given [destination].

*/
public inline fun <R, C : MutableCollection<in R>> ByteArray.flatMapTo(destination: C, transform: (Byte) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}

/** Appends all elements yielded from results of [transform] function being invoked on each element of original array, to the given
[destination].

*/
public inline fun <R, C : MutableCollection<in R>> ShortArray.flatMapTo(destination: C, transform: (Short) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}

/** Appends all elements yielded from results of [transform] function being invoked on each element of original array, to the given
[destination].

*/
public inline fun <R, C : MutableCollection<in R>> IntArray.flatMapTo(destination: C, transform: (Int) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}

/** Appends all elements yielded from results of
[transform] function being invoked on each element of original array, to the given [destination].

*/
public inline fun <R, C : MutableCollection<in R>> LongArray.flatMapTo(destination: C, transform: (Long) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}

```



groupByTo(LinkedHashMap<K, MutableList<Long>>(), keySelector)\n}\n\n/\*\*\n \* Groups elements of the original array by the key returned by the given [keySelector] function\n \* applied to each element and returns a map where each group key is associated with a list of corresponding elements.\n \* \n \* The returned map preserves the entry iteration order of the keys produced from the original array.\n \* \n \* @sample samples.collections.Collections.Transformations.groupBy\n \*/\npublic inline fun <K> FloatArray.groupBy(keySelector: (Float) -> K): Map<K, List<Float>> {\n return groupByTo(LinkedHashMap<K, MutableList<Float>>(), keySelector)\n}\n\n/\*\*\n \* Groups elements of the original array by the key returned by the given [keySelector] function\n \* applied to each element and returns a map where each group key is associated with a list of corresponding elements.\n \* \n \* The returned map preserves the entry iteration order of the keys produced from the original array.\n \* \n \* @sample samples.collections.Collections.Transformations.groupBy\n \*/\npublic inline fun <K> DoubleArray.groupBy(keySelector: (Double) -> K): Map<K, List<Double>> {\n return groupByTo(LinkedHashMap<K, MutableList<Double>>(), keySelector)\n}\n\n/\*\*\n \* Groups elements of the original array by the key returned by the given [keySelector] function\n \* applied to each element and returns a map where each group key is associated with a list of corresponding elements.\n \* \n \* The returned map preserves the entry iteration order of the keys produced from the original array.\n \* \n \* @sample samples.collections.Collections.Transformations.groupBy\n \*/\npublic inline fun <K> BooleanArray.groupBy(keySelector: (Boolean) -> K): Map<K, List<Boolean>> {\n return groupByTo(LinkedHashMap<K, MutableList<Boolean>>(), keySelector)\n}\n\n/\*\*\n \* Groups elements of the original array by the key returned by the given [keySelector] function\n \* applied to each element and returns a map where each group key is associated with a list of corresponding elements.\n \* \n \* The returned map preserves the entry iteration order of the keys produced from the original array.\n \* \n \* @sample samples.collections.Collections.Transformations.groupBy\n \*/\npublic inline fun <K> CharArray.groupBy(keySelector: (Char) -> K): Map<K, List<Char>> {\n return groupByTo(LinkedHashMap<K, MutableList<Char>>(), keySelector)\n}\n\n/\*\*\n \* Groups values returned by the [valueTransform] function applied to each element of the original array\n \* by the key returned by the given [keySelector] function applied to the element\n \* and returns a map where each group key is associated with a list of corresponding values.\n \* \n \* The returned map preserves the entry iteration order of the keys produced from the original array.\n \* \n \* @sample samples.collections.Collections.Transformations.groupByKeysAndValues\n \*/\npublic inline fun <T, K, V> Array<out T>.groupBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, List<V>> {\n return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/\*\*\n \* Groups values returned by the [valueTransform] function applied to each element of the original array\n \* by the key returned by the given [keySelector] function applied to the element\n \* and returns a map where each group key is associated with a list of corresponding values.\n \* \n \* The returned map preserves the entry iteration order of the keys produced from the original array.\n \* \n \* @sample samples.collections.Collections.Transformations.groupByKeysAndValues\n \*/\npublic inline fun <K, V> ByteArray.groupBy(keySelector: (Byte) -> K, valueTransform: (Byte) -> V): Map<K, List<V>> {\n return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/\*\*\n \* Groups values returned by the [valueTransform] function applied to each element of the original array\n \* by the key returned by the given [keySelector] function applied to the element\n \* and returns a map where each group key is associated with a list of corresponding values.\n \* \n \* The returned map preserves the entry iteration order of the keys produced from the original array.\n \* \n \* @sample samples.collections.Collections.Transformations.groupByKeysAndValues\n \*/\npublic inline fun <K, V> ShortArray.groupBy(keySelector: (Short) -> K, valueTransform: (Short) -> V): Map<K, List<V>> {\n return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/\*\*\n \* Groups values returned by the [valueTransform] function applied to each element of the original array\n \* by the key returned by the given [keySelector] function applied to the element\n \* and returns a map where each group key is associated with a list of corresponding values.\n \* \n \* The returned map preserves the entry iteration order of the keys produced from the original array.\n \* \n \* @sample

```

samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic inline fun <K, V>
IntArray.groupBy(keySelector: (Int) -> K, valueTransform: (Int) -> V): Map<K, List<V>> {\n  return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups values
returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by
the given [keySelector] function applied to the element\n * and returns a map where each group key is associated
with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys
produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic inline fun <K, V>
LongArray.groupBy(keySelector: (Long) -> K, valueTransform: (Long) -> V): Map<K, List<V>> {\n  return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups values
returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by
the given [keySelector] function applied to the element\n * and returns a map where each group key is associated
with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys
produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic inline fun <K, V>
FloatArray.groupBy(keySelector: (Float) -> K, valueTransform: (Float) -> V): Map<K, List<V>> {\n  return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups values
returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by
the given [keySelector] function applied to the element\n * and returns a map where each group key is associated
with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys
produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic inline fun <K, V>
DoubleArray.groupBy(keySelector: (Double) -> K, valueTransform: (Double) -> V): Map<K, List<V>> {\n
return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups
values returned by the [valueTransform] function applied to each element of the original array\n * by the key
returned by the given [keySelector] function applied to the element\n * and returns a map where each group key is
associated with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the
keys produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic inline fun <K, V>
BooleanArray.groupBy(keySelector: (Boolean) -> K, valueTransform: (Boolean) -> V): Map<K, List<V>> {\n
return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups
values returned by the [valueTransform] function applied to each element of the original array\n * by the key
returned by the given [keySelector] function applied to the element\n * and returns a map where each group key is
associated with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the
keys produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic inline fun <K, V>
CharArray.groupBy(keySelector: (Char) -> K, valueTransform: (Char) -> V): Map<K, List<V>> {\n  return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups elements
of the original array by the key returned by the given [keySelector] function\n * applied to each element and puts to
the [destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n *\npublic inline
fun <T, K, M : MutableMap<in K, MutableList<T>>> Array<out T>.groupByTo(destination: M, keySelector: (T) -
> K): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list = destination.getOrPut(key)
{ ArrayList<T>() }\n    list.add(element)\n  }\n  return destination\n}\n\n/**\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and puts to the
[destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n *\npublic inline
fun <K, M : MutableMap<in K, MutableList<Byte>>> ByteArray.groupByTo(destination: M, keySelector: (Byte) -

```

```

-> K): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list = destination.getOrPut(key)
{ ArrayList<Byte>() }\n    list.add(element)\n  }\n  return destination\n}\n\n/**\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and puts to the
[destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\npublic inline
fun <K, M : MutableMap<in K, MutableList<Short>>> ShortArray.groupByTo(destination: M, keySelector: (Short)
-> K): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list =
destination.getOrPut(key) { ArrayList<Short>() }\n    list.add(element)\n  }\n  return destination\n}\n\n/**\n *
Groups elements of the original array by the key returned by the given [keySelector] function\n * applied to each
element and puts to the [destination] map each group key associated with a list of corresponding elements.\n * \n *
@return The [destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\npublic inline
fun <K, M : MutableMap<in K, MutableList<Int>>> IntArray.groupByTo(destination: M,
keySelector: (Int) -> K): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list =
destination.getOrPut(key) { ArrayList<Int>() }\n    list.add(element)\n  }\n  return destination\n}\n\n/**\n *
Groups elements of the original array by the key returned by the given [keySelector] function\n * applied to each
element and puts to the [destination] map each group key associated with a list of corresponding elements.\n * \n *
@return The [destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\npublic inline
fun <K, M : MutableMap<in K, MutableList<Long>>> LongArray.groupByTo(destination: M,
keySelector: (Long) -> K): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list =
destination.getOrPut(key) { ArrayList<Long>() }\n    list.add(element)\n  }\n  return destination\n}\n\n/**\n *
Groups elements of the original array by the key returned by the given [keySelector] function\n * applied to each
element and puts to the [destination] map each group key associated with a list of corresponding elements.\n * \n *
@return The [destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\npublic inline
fun <K, M : MutableMap<in K, MutableList<Float>>> FloatArray.groupByTo(destination: M,
keySelector: (Float) -> K): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list =
destination.getOrPut(key) { ArrayList<Float>() }\n    list.add(element)\n  }\n  return destination\n}\n\n/**\n *
Groups elements of the original array by the key returned by the given [keySelector] function\n * applied to each
element and puts to the [destination] map each group key associated with a list of corresponding elements.\n * \n *
@return The [destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\npublic inline
fun <K, M : MutableMap<in K, MutableList<Double>>> DoubleArray.groupByTo(destination: M,
keySelector: (Double) -> K): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list =
destination.getOrPut(key) { ArrayList<Double>() }\n    list.add(element)\n  }\n  return destination\n}\n\n/**\n *
Groups elements of the original array by the key returned by the given [keySelector] function\n * applied to each
element and puts to the [destination] map each group key associated with a list of corresponding elements.\n * \n *
@return The [destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\npublic inline
fun <K, M : MutableMap<in K, MutableList<Boolean>>> BooleanArray.groupByTo(destination:
M, keySelector: (Boolean) -> K): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list =
destination.getOrPut(key) { ArrayList<Boolean>() }\n    list.add(element)\n  }\n  return
destination\n}\n\n/**\n * Groups elements of the original array by the key returned by the given [keySelector]
function\n * applied to each element and puts to the [destination] map each group key associated with a list of
corresponding elements.\n * \n * @return The [destination] map.\n * \n * @sample
samples.collections.Collections.Transformations.groupBy\n */\npublic inline fun <K, M : MutableMap<in K,
MutableList<Char>>> CharArray.groupByTo(destination: M, keySelector: (Char) -> K): M {\n  for (element in
this) {\n    val key = keySelector(element)\n    val list = destination.getOrPut(key) { ArrayList<Char>() }\n
list.add(element)\n  }\n  return destination\n}\n\n/**\n * Groups values returned by the [valueTransform] function
applied to each element of the original array\n * by the key returned by the given [keySelector] function applied to
the element\n * and puts to the [destination] map each group key associated with a list of corresponding values.\n *
\n * @return The [destination] map.\n * \n * @sample

```

```

samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic inline fun <T, K, V, M :
MutableMap<in K, MutableList<V>>> Array<out T>.groupByTo(destination: M, keySelector: (T) -> K,
valueTransform: (T) -> V): M {\n for (element in this) {\n val key = keySelector(element)\n val list =
destination.getOrPut(key) { ArrayList<V>() }\n list.add(valueTransform(element))\n }\n return
destination}\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the
original array\n * by the key returned by the given [keySelector] function applied to the element\n * and puts to the
[destination] map each group key associated with a list of corresponding values.\n * \n * @return The [destination]
map.\n * \n * @sample samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> ByteArray.groupByTo(destination: M, keySelector:
(Byte) -> K, valueTransform: (Byte) -> V): M {\n for (element in this) {\n val key = keySelector(element)\n
val list = destination.getOrPut(key) { ArrayList<V>() }\n list.add(valueTransform(element))\n }\n return
destination}\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the
original array\n * by the key returned by the given [keySelector] function applied to the element\n * and puts to the
[destination] map each group key associated with a list of corresponding values.\n * \n * @return The [destination]
map.\n * \n * @sample samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> ShortArray.groupByTo(destination: M, keySelector:
(Short) -> K, valueTransform: (Short) -> V): M {\n for (element in this) {\n val key = keySelector(element)\n
val list = destination.getOrPut(key) { ArrayList<V>() }\n list.add(valueTransform(element))\n }\n return
destination}\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the
original array\n * by the key returned by the given [keySelector] function applied to the element\n * and puts to the
[destination] map each group key associated with a list of corresponding values.\n * \n * @return The [destination]
map.\n * \n * @sample samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> IntArray.groupByTo(destination: M, keySelector:
(Int) -> K, valueTransform: (Int) -> V): M {\n for (element in this) {\n val key = keySelector(element)\n
val list = destination.getOrPut(key) { ArrayList<V>() }\n list.add(valueTransform(element))\n }\n return
destination}\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the
original array\n * by the key returned by the given [keySelector] function applied to the element\n * and puts to the
[destination] map each group key associated with a list of corresponding values.\n * \n * @return The [destination]
map.\n * \n * @sample samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> LongArray.groupByTo(destination: M, keySelector:
(Long) -> K, valueTransform: (Long) -> V): M {\n for (element in this) {\n val key = keySelector(element)\n
val list = destination.getOrPut(key) { ArrayList<V>() }\n list.add(valueTransform(element))\n }\n return
destination}\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the
original array\n * by the key returned by the given [keySelector] function applied to the element\n * and puts to the
[destination] map each group key associated with a list of corresponding values.\n * \n * @return The [destination]
map.\n * \n * @sample samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> FloatArray.groupByTo(destination: M, keySelector:
(Float) -> K, valueTransform: (Float) -> V): M {\n for (element in this) {\n val key = keySelector(element)\n
val list = destination.getOrPut(key) { ArrayList<V>() }\n list.add(valueTransform(element))\n }\n return
destination}\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the
original array\n * by the key returned by the given [keySelector] function applied to the element\n * and puts to the
[destination] map each group key associated with a list of corresponding values.\n * \n * @return The [destination]
map.\n * \n * @sample samples.collections.Collections.Transformations.groupByKeyAndValues\n *\npublic
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> DoubleArray.groupByTo(destination: M, keySelector:
(Double) -> K, valueTransform: (Double) -> V): M {\n for (element in this) {\n val key =
keySelector(element)\n val list = destination.getOrPut(key) { ArrayList<V>() }\n
list.add(valueTransform(element))\n }\n return destination}\n\n/**\n * Groups values returned by the
[valueTransform] function applied to each element of the original array\n * by the key returned by the given

```

[keySelector] function applied to the element and puts to the [destination] map each group key associated with a list of corresponding values.

`@return` The [destination] map.

`@sample`

```

samples.collections.Collections.Transformations.groupByKeyAndValues
public inline fun <K, V, M : MutableMap<in K, MutableList<V>>> BooleanArray.groupByTo(destination: M, keySelector: (Boolean) -> K, valueTransform: (Boolean) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<V>() }
        list.add(valueTransform(element))
    }
    return destination
}

```

Groups values returned by the [valueTransform] function applied to each element of the original array by the key returned by the given [keySelector] function applied to the element and puts to the [destination] map each group key associated with a list of corresponding values.

`@return` The [destination] map.

`@sample`

```

samples.collections.Collections.Transformations.groupByKeyAndValues
public inline fun <K, V, M : MutableMap<in K, MutableList<V>>> CharArray.groupByTo(destination: M, keySelector: (Char) -> K, valueTransform: (Char) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<V>() }
        list.add(valueTransform(element))
    }
    return destination
}

```

Creates a [Grouping] source from an array to be used later with one of group-and-fold operations using the specified [keySelector] function to extract a key from each element.

`@sample`

```

samples.collections.Grouping.groupingByEachCount
@SinceKotlin("1.1")
public inline fun <T, K> Array<out T>.groupingBy(crossinline keySelector: (T) -> K): Grouping<T, K> {
    return object : Grouping<T, K> {
        override fun sourceIterator(): Iterator<T> = this@groupingBy.iterator()
        override fun keyOf(element: T): K = keySelector(element)
    }
}

```

Returns a list containing the results of applying the given [transform] function to each element in the original array.

`@sample`

```

samples.collections.Collections.Transformations.map
public inline fun <T, R> Array<out T>.map(transform: (T) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

```

Returns a list containing the results of applying the given [transform] function to each element in the original array.

`@sample`

```

samples.collections.Collections.Transformations.map
public inline fun <R> ByteArray.map(transform: (Byte) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

```

Returns a list containing the results of applying the given [transform] function to each element in the original array.

`@sample`

```

samples.collections.Collections.Transformations.map
public inline fun <R> ShortArray.map(transform: (Short) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

```

Returns a list containing the results of applying the given [transform] function to each element in the original array.

`@sample`

```

samples.collections.Collections.Transformations.map
public inline fun <R> IntArray.map(transform: (Int) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

```

Returns a list containing the results of applying the given [transform] function to each element in the original array.

`@sample`

```

samples.collections.Collections.Transformations.map
public inline fun <R> LongArray.map(transform: (Long) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

```

Returns a list containing the results of applying the given [transform] function to each element in the original array.

`@sample`

```

samples.collections.Collections.Transformations.map
public inline fun <R> FloatArray.map(transform: (Float) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

```

Returns a list containing the results of applying the given [transform] function to each element in the original array.

`@sample`

```

samples.collections.Collections.Transformations.map
public inline fun <R> DoubleArray.map(transform: (Double) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

```

Returns a list containing the results of applying the given [transform] function to each element in the original array.

`@sample`

```

samples.collections.Collections.Transformations.map
public inline fun <R> BooleanArray.map(transform: (Boolean) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

```

Returns a list containing the results of applying the given [transform] function to each element in the original array.

`@sample`

```

samples.collections.Collections.Transformations.map
public inline fun <R> CharArray.map(transform: (Char) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

```

Returns a list containing the results of applying the given [transform] function to each element and its index in the original array.

`@param` [transform] function that takes the index of an element and the element itself

returns the result of the transform applied to the element.

```

public inline fun <T, R> Array<out
T>.mapIndexed(transform: (index: Int, T) -> R): List<R> {
    return mapIndexedTo(ArrayList<R>(size),
transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each
element and its index in the original array.\n * @param [transform] function that takes the index of an element and
the element itself\n * and returns the result of the transform applied to the element.\n */\npublic inline fun <R>
ByteArray.mapIndexed(transform: (index: Int, Byte) -> R): List<R> {\n    return
mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the
given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function
that takes the index of an element and the element itself\n * and returns the result of the transform applied to the
element.\n */\npublic inline fun <R> ShortArray.mapIndexed(transform: (index: Int, Short) -> R): List<R> {\n
return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying
the given [transform] function\n * to each element and its index in the original array.\n * @param [transform]
function that takes the index of an element and the element itself\n * and returns the result of the transform applied
to the element.\n */\npublic inline fun <R> IntArray.mapIndexed(transform: (index: Int, Int) -> R): List<R> {\n
return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying
the given [transform] function\n * to each element and its index in the original array.\n * @param [transform]
function that takes the index of an element and the element itself\n * and returns the result of the transform applied
to the element.\n */\npublic inline fun <R> LongArray.mapIndexed(transform: (index: Int, Long) -> R): List<R> {\n
return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of
applying the given [transform] function\n * to each element and its index in the original array.\n * @param
[transform] function that takes the index of an element and the element itself\n * and returns the result of the
transform applied to the element.\n */\npublic inline fun <R> FloatArray.mapIndexed(transform: (index: Int, Float) -
> R): List<R> {\n    return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing
the results of applying the given [transform] function\n * to each element and its index in the original array.\n *
@param [transform] function that takes the index of an element and the element itself\n * and returns the result of
the transform applied to the element.\n */\npublic inline fun <R> DoubleArray.mapIndexed(transform: (index: Int,
Double) -> R): List<R> {\n    return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list
containing the results of applying the given [transform] function\n * to each element and its index in the original
array.\n * @param [transform] function that takes the index of an element and the element itself\n * and returns the
result of the transform applied to the element.\n */\npublic inline fun <R> BooleanArray.mapIndexed(transform:
(index: Int, Boolean) -> R): List<R> {\n    return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n *
Returns a list containing the results of applying the given [transform] function\n * to each element and its index in
the original array.\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n */\npublic inline fun <R>
CharArray.mapIndexed(transform: (index: Int, Char) -> R): List<R> {\n    return
mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing only the non-null results of
applying the given [transform] function\n * to each element and its index in the original array.\n * @param
[transform] function that takes the index of an element and the element itself\n * and returns the result of the
transform applied to the element.\n */\npublic inline fun <T, R : Any> Array<out
T>.mapIndexedNotNull(transform: (index: Int, T) -> R?): List<R> {\n    return
mapIndexedNotNullTo(ArrayList<R>(), transform)\n}\n\n/**\n * Applies the given [transform] function to each
element and its index in the original array\n * and appends only the non-null results to the given [destination].\n *
@param [transform] function that takes the index of an element and the element itself\n * and returns the result of
the transform applied to the element.\n */\npublic inline fun <T, R : Any, C : MutableCollection<in R>> Array<out
T>.mapIndexedNotNullTo(destination: C, transform: (index: Int, T) -> R?): C {\n    forEachIndexed { index,
element -> transform(index, element)?.let { destination.add(it) } }\n    return destination\n}\n\n/**\n * Applies
the given [transform] function to each element and its index in the original array\n * and appends the results to the
given [destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and

```

```

returns the result of the transform applied to the element.\n */\npublic inline fun <T, R, C : MutableCollection<in
R>> Array<out T>.mapIndexedTo(destination: C, transform: (index: Int, T) -> R): C {\n  var index = 0\n  for
(item in this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each element and its index in the original array\n * and appends the results to the given
[destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n */\npublic inline fun <R, C : MutableCollection<in R>>
ByteArray.mapIndexedTo(destination: C, transform: (index: Int, Byte) -> R): C {\n  var index = 0\n  for (item in
this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each element and its index in the original array\n * and appends the results to the given
[destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n */\npublic inline fun <R, C : MutableCollection<in R>>
ShortArray.mapIndexedTo(destination: C, transform: (index: Int, Short) -> R): C {\n  var index = 0\n  for (item in
this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each element and its index in the original array\n * and appends the results to the given
[destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n */\npublic inline fun <R, C : MutableCollection<in R>>
IntArray.mapIndexedTo(destination: C, transform: (index: Int, Int) -> R): C {\n  var index = 0\n  for (item in
this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each element and its index in the original array\n * and appends the results to the given
[destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n */\npublic inline fun <R, C : MutableCollection<in R>>
LongArray.mapIndexedTo(destination: C, transform: (index: Int, Long) -> R): C {\n  var index = 0\n  for (item in
this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each element and its index in the original array\n * and appends the results to the given
[destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n */\npublic inline fun <R, C : MutableCollection<in R>>
FloatArray.mapIndexedTo(destination: C, transform: (index: Int, Float) -> R): C {\n  var index = 0\n  for (item in
this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each element and its index in the original array\n * and appends the results to the given
[destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n */\npublic inline fun <R, C : MutableCollection<in R>>
DoubleArray.mapIndexedTo(destination: C, transform: (index: Int, Double) -> R): C {\n  var index = 0\n  for
(item in this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each element and its index in the original array\n * and appends the results to the given
[destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n */\npublic inline fun <R, C : MutableCollection<in R>>
BooleanArray.mapIndexedTo(destination: C, transform: (index: Int, Boolean) -> R): C {\n  var index = 0\n  for
(item in this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each element and its index in the original array\n * and appends the results to the given
[destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n */\npublic inline fun <R, C : MutableCollection<in R>>
CharArray.mapIndexedTo(destination: C, transform: (index: Int, Char) -> R): C {\n  var index = 0\n  for (item in
this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Returns a list containing
only the non-null results of applying the given [transform] function\n * to each element in the original array.\n * \n *
@sample samples.collections.Transformations.mapNotNull\n */\npublic inline fun <T, R : Any>
Array<out T>.mapNotNull(transform: (T) -> R?): List<R> {\n  return mapNotNullTo(ArrayList<R>(),
transform)\n}\n\n/**\n * Applies the given [transform] function to each element in the original array\n * and
appends only the non-null results to the given [destination].\n */\npublic inline fun <T, R : Any, C :

```

```

MutableCollection<in R>> Array<out T>.mapNotNullTo(destination: C, transform: (T) -> R?): C {
    for (element in this) {
        destination.add(transform(element))
    }
    return destination
}

public inline fun <T, R, C : MutableCollection<in R>> Array<out T>.mapTo(destination: C, transform: (T) -> R): C {
    for (item in this) {
        destination.add(transform(item))
    }
    return destination
}

public inline fun <R, C : MutableCollection<in R>> ByteArray.mapTo(destination: C, transform: (Byte) -> R): C {
    for (item in this) {
        destination.add(transform(item))
    }
    return destination
}

public inline fun <R, C : MutableCollection<in R>> ShortArray.mapTo(destination: C, transform: (Short) -> R): C {
    for (item in this) {
        destination.add(transform(item))
    }
    return destination
}

public inline fun <R, C : MutableCollection<in R>> IntArray.mapTo(destination: C, transform: (Int) -> R): C {
    for (item in this) {
        destination.add(transform(item))
    }
    return destination
}

public inline fun <R, C : MutableCollection<in R>> LongArray.mapTo(destination: C, transform: (Long) -> R): C {
    for (item in this) {
        destination.add(transform(item))
    }
    return destination
}

public inline fun <R, C : MutableCollection<in R>> FloatArray.mapTo(destination: C, transform: (Float) -> R): C {
    for (item in this) {
        destination.add(transform(item))
    }
    return destination
}

public inline fun <R, C : MutableCollection<in R>> DoubleArray.mapTo(destination: C, transform: (Double) -> R): C {
    for (item in this) {
        destination.add(transform(item))
    }
    return destination
}

public inline fun <R, C : MutableCollection<in R>> BooleanArray.mapTo(destination: C, transform: (Boolean) -> R): C {
    for (item in this) {
        destination.add(transform(item))
    }
    return destination
}

public inline fun <R, C : MutableCollection<in R>> CharArray.mapTo(destination: C, transform: (Char) -> R): C {
    for (item in this) {
        destination.add(transform(item))
    }
    return destination
}

public fun <T> Array<out T>.withIndex(): Iterable<IndexedValue<T>> {
    return IndexingIterable { iterator() }
}

public fun ByteArray.withIndex(): Iterable<IndexedValue<Byte>> {
    return IndexingIterable { iterator() }
}

public fun ShortArray.withIndex(): Iterable<IndexedValue<Short>> {
    return IndexingIterable { iterator() }
}

public fun IntArray.withIndex(): Iterable<IndexedValue<Int>> {
    return IndexingIterable { iterator() }
}

public fun LongArray.withIndex(): Iterable<IndexedValue<Long>> {
    return IndexingIterable { iterator() }
}

public fun FloatArray.withIndex(): Iterable<IndexedValue<Float>> {
    return IndexingIterable { iterator() }
}

public fun DoubleArray.withIndex(): Iterable<IndexedValue<Double>> {
    return IndexingIterable { iterator() }
}

```



```

ArrayList<Byte>()\n for (e in this) {\n     val key = selector(e)\n     if (set.add(key))\n         list.add(e)\n }\n return list\n}\n\n/**\n * Returns a list containing only elements from the given array\n * having distinct keys\n returned by the given [selector] function.\n * \n * The elements in the resulting list are in the same order as they\n were in the source array.\n * \n * @sample\n samples.collections.Collections.Transformations.distinctAndDistinctBy\n */\npublic inline fun <K>\n ShortArray.distinctBy(selector: (Short) -> K): List<Short> {\n     val set = HashSet<K>()\n     val list =\n ArrayList<Short>()\n     for (e in this) {\n         val key = selector(e)\n         if (set.add(key))\n             list.add(e)\n     }\n     return list\n}\n\n/**\n * Returns a list containing only elements from the given array\n * having distinct keys\n returned by the given [selector] function.\n * \n * The elements in the resulting list are in the same order as they\n were in the source array.\n * \n * @sample\n samples.collections.Collections.Transformations.distinctAndDistinctBy\n */\npublic inline fun <K>\n IntArray.distinctBy(selector: (Int) -> K): List<Int> {\n     val set = HashSet<K>()\n     val list = ArrayList<Int>()\n     for (e in this) {\n         val key = selector(e)\n         if (set.add(key))\n             list.add(e)\n     }\n     return list\n}\n\n/**\n * Returns a list containing only elements from the given array\n * having distinct keys returned by the given\n [selector] function.\n * \n * The elements in the resulting list are in the same order as they were in the source\n array.\n * \n * @sample\n samples.collections.Collections.Transformations.distinctAndDistinctBy\n */\npublic inline\n fun <K> LongArray.distinctBy(selector: (Long) -> K): List<Long> {\n     val set = HashSet<K>()\n     val list =\n ArrayList<Long>()\n     for (e in this) {\n         val key = selector(e)\n         if (set.add(key))\n             list.add(e)\n     }\n     return list\n}\n\n/**\n * Returns a list containing only elements from the given array\n * having distinct keys\n returned by the given [selector] function.\n * \n * The elements in the resulting list are in the same order as they\n were in the source array.\n * \n * @sample\n samples.collections.Collections.Transformations.distinctAndDistinctBy\n */\npublic inline fun <K>\n FloatArray.distinctBy(selector: (Float) -> K): List<Float> {\n     val set = HashSet<K>()\n     val list =\n ArrayList<Float>()\n     for (e in this) {\n         val key = selector(e)\n         if (set.add(key))\n             list.add(e)\n     }\n     return list\n}\n\n/**\n * Returns a list containing only elements from the given array\n * having distinct keys\n returned by the given [selector] function.\n * \n * The elements in the resulting list are in the same order as they\n were in the source array.\n * \n * @sample\n samples.collections.Collections.Transformations.distinctAndDistinctBy\n */\npublic inline fun <K>\n DoubleArray.distinctBy(selector: (Double) -> K): List<Double> {\n     val set = HashSet<K>()\n     val list =\n ArrayList<Double>()\n     for (e in this) {\n         val key = selector(e)\n         if (set.add(key))\n             list.add(e)\n     }\n     return list\n}\n\n/**\n * Returns a list containing only elements from the given array\n * having distinct keys\n returned by the given [selector] function.\n * \n * The elements in the resulting list are in the same order as they\n were in the source array.\n * \n * @sample\n samples.collections.Collections.Transformations.distinctAndDistinctBy\n */\npublic inline fun <K>\n BooleanArray.distinctBy(selector: (Boolean) -> K): List<Boolean> {\n     val set = HashSet<K>()\n     val list =\n ArrayList<Boolean>()\n     for (e in this) {\n         val key = selector(e)\n         if (set.add(key))\n             list.add(e)\n     }\n     return list\n}\n\n/**\n * Returns a list containing only elements from the given array\n * having distinct keys\n returned by the given [selector] function.\n * \n * The elements in the resulting list are in the same order as they\n were in the source array.\n * \n * @sample\n samples.collections.Collections.Transformations.distinctAndDistinctBy\n */\npublic inline fun <K>\n CharArray.distinctBy(selector: (Char) -> K): List<Char> {\n     val set = HashSet<K>()\n     val list =\n ArrayList<Char>()\n     for (e in this) {\n         val key = selector(e)\n         if (set.add(key))\n             list.add(e)\n     }\n     return list\n}\n\n/**\n * Returns a set containing all elements that are contained by both this array and the specified\n collection.\n * \n * The returned set preserves the element iteration order of the original array.\n * \n * To get a set\n containing all elements that are contained at least in one of these collections use [union].\n */\npublic infix fun <T>\n Array<out T>.intersect(other: Iterable<T>): Set<T> {\n     val set = this.toMutableSet()\n     set.retainAll(other)\n     return set\n}\n\n/**\n * Returns a set containing all elements that are contained by both this array and the specified\n collection.\n * \n * The returned set preserves the element iteration order of the original array.\n * \n * To get a set

```

containing all elements that are contained at least in one of these collections use [union].

```

public infix fun
ByteArray.intersect(other: Iterable<Byte>): Set<Byte> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by both this array and the specified collection.  
 \* The returned set preserves the element iteration order of the original array.  
 \* To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun
ShortArray.intersect(other: Iterable<Short>): Set<Short> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by both this array and the specified collection.  
 \* The returned set preserves the element iteration order of the original array.  
 \* To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun
IntArray.intersect(other: Iterable<Int>): Set<Int> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by both this array and the specified collection.  
 \* The returned set preserves the element iteration order of the original array.  
 \* To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun
LongArray.intersect(other: Iterable<Long>): Set<Long> {
    val set =
this.toMutableSet()
    set.retainAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by both this array and the specified collection.  
 \* The returned set preserves the element iteration order of the original array.  
 \* To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun
FloatArray.intersect(other: Iterable<Float>): Set<Float> {
    val set =
this.toMutableSet()
    set.retainAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by both this array and the specified collection.  
 \* The returned set preserves the element iteration order of the original array.  
 \* To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun
DoubleArray.intersect(other: Iterable<Double>): Set<Double> {
    val set =
this.toMutableSet()
    set.retainAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by both this array and the specified collection.  
 \* The returned set preserves the element iteration order of the original array.  
 \* To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun
BooleanArray.intersect(other: Iterable<Boolean>):
Set<Boolean> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by both this array and the specified collection.  
 \* The returned set preserves the element iteration order of the original array.  
 \* To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun
CharArray.intersect(other:
Iterable<Char>): Set<Char> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by this array and not contained by the specified collection.  
 \* The returned set preserves the element iteration order of the original array.

```

public infix fun <T>
Array<out T>.subtract(other: Iterable<T>): Set<T> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by this array and not contained by the specified collection.  
 \* The returned set preserves the element iteration order of the original array.

```

public infix fun
ByteArray.subtract(other: Iterable<Byte>): Set<Byte> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by this array and not contained by the specified collection.  
 \* The returned set preserves the element iteration order of the original array.

```

public infix fun
ShortArray.subtract(other: Iterable<Short>): Set<Short> {
    val set =
this.toMutableSet()
    set.removeAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by this array and not contained by the specified collection.  
 \* The returned set preserves the element iteration order of the original array.

```

public infix fun
IntArray.subtract(other: Iterable<Int>): Set<Int>
{
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by this array and not contained by the specified collection.  
 \* The returned set preserves the element iteration order of the original array.

```

public infix fun
LongArray.subtract(other:
Iterable<Long>): Set<Long> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

\* Returns a set containing all elements that are contained by this array and not contained by the specified

collection.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic infix fun FloatArray.subtract(other: Iterable<Float>): Set<Float> {\n val set = this.toMutableSet()\n set.removeAll(other)\n return set\n}\n\n/\*\*\n \* Returns a set containing all elements that are contained by this array and not contained by the specified collection.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic infix fun DoubleArray.subtract(other: Iterable<Double>): Set<Double> {\n val set = this.toMutableSet()\n set.removeAll(other)\n return set\n}\n\n/\*\*\n \* Returns a set containing all elements that are contained by this array and not contained by the specified collection.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic infix fun BooleanArray.subtract(other: Iterable<Boolean>): Set<Boolean> {\n val set = this.toMutableSet()\n set.removeAll(other)\n return set\n}\n\n/\*\*\n \* Returns a set containing all elements that are contained by this array and not contained by the specified collection.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic infix fun CharArray.subtract(other: Iterable<Char>): Set<Char> {\n val set = this.toMutableSet()\n set.removeAll(other)\n return set\n}\n\n/\*\*\n \* Returns a new [MutableSet] containing all distinct elements from the given array.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic fun <T> Array<out T>.toMutableSet(): MutableSet<T> {\n return toCollection(LinkedHashSet<T>(mapCapacity(size)))\n}\n\n/\*\*\n \* Returns a new [MutableSet] containing all distinct elements from the given array.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic fun ByteArray.toMutableSet(): MutableSet<Byte> {\n return toCollection(LinkedHashSet<Byte>(mapCapacity(size)))\n}\n\n/\*\*\n \* Returns a new [MutableSet] containing all distinct elements from the given array.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic fun ShortArray.toMutableSet(): MutableSet<Short> {\n return toCollection(LinkedHashSet<Short>(mapCapacity(size)))\n}\n\n/\*\*\n \* Returns a new [MutableSet] containing all distinct elements from the given array.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic fun IntArray.toMutableSet(): MutableSet<Int> {\n return toCollection(LinkedHashSet<Int>(mapCapacity(size)))\n}\n\n/\*\*\n \* Returns a new [MutableSet] containing all distinct elements from the given array.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic fun LongArray.toMutableSet(): MutableSet<Long> {\n return toCollection(LinkedHashSet<Long>(mapCapacity(size)))\n}\n\n/\*\*\n \* Returns a new [MutableSet] containing all distinct elements from the given array.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic fun FloatArray.toMutableSet(): MutableSet<Float> {\n return toCollection(LinkedHashSet<Float>(mapCapacity(size)))\n}\n\n/\*\*\n \* Returns a new [MutableSet] containing all distinct elements from the given array.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic fun DoubleArray.toMutableSet(): MutableSet<Double> {\n return toCollection(LinkedHashSet<Double>(mapCapacity(size)))\n}\n\n/\*\*\n \* Returns a new [MutableSet] containing all distinct elements from the given array.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic fun BooleanArray.toMutableSet(): MutableSet<Boolean> {\n return toCollection(LinkedHashSet<Boolean>(mapCapacity(size)))\n}\n\n/\*\*\n \* Returns a new [MutableSet] containing all distinct elements from the given array.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \*/\npublic fun CharArray.toMutableSet(): MutableSet<Char> {\n return toCollection(LinkedHashSet<Char>(mapCapacity(size.coerceAtMost(128))))\n}\n\n/\*\*\n \* Returns a set containing all distinct elements from both collections.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \* Those elements of the [other] collection that are unique are iterated in the end\n \* in the order of the [other] collection.\n \* \n \* To get a set containing all elements that are contained in both collections use [intersect].\n \*/\npublic infix fun <T> Array<out T>.union(other: Iterable<T>): Set<T> {\n val set = this.toMutableSet()\n set.addAll(other)\n return set\n}\n\n/\*\*\n \* Returns a set containing all distinct elements from both collections.\n \* \n \* The returned set preserves the element iteration order of the original array.\n \* Those elements of the [other] collection that are unique are iterated in the end\n \* in the order of the [other] collection.\n \* \n \* To get a set containing all elements that are contained in both collections use [intersect].\n \*/\npublic infix fun ByteArray.union(other: Iterable<Byte>): Set<Byte> {\n val set = this.toMutableSet()\n set.addAll(other)\n

```

return set\n}\n\n/**\n * Returns a set containing all distinct elements from both collections.\n * \n * The returned set
preserves the element iteration order of the original array.\n * Those elements of the [other] collection that are
unique are iterated in the end\n * in the order of the [other] collection.\n * \n * To get a set containing all elements
that are contained in both collections use [intersect].\n */\npublic infix fun ShortArray.union(other:
Iterable<Short>): Set<Short> {\n    val set = this.toMutableSet()\n    set.addAll(other)\n    return set\n}\n\n/**\n *
Returns a set containing all distinct elements from both collections.\n * \n * The returned set preserves the element
iteration order of the original array.\n * Those elements of the [other] collection that are unique are iterated in the
end\n * in the order of the [other] collection.\n * \n * To get a set containing all elements that are contained in both
collections use [intersect].\n */\npublic infix fun IntArray.union(other: Iterable<Int>): Set<Int> {\n    val set =
this.toMutableSet()\n    set.addAll(other)\n    return set\n}\n\n/**\n * Returns a set containing all distinct elements
from both collections.\n * \n * The returned set preserves the element iteration order of the original array.\n * Those
elements of the [other] collection that are unique are iterated in the end\n * in the order of the [other] collection.\n *
\n * To get a set containing all elements that are contained in both collections use [intersect].\n */\npublic infix fun
LongArray.union(other: Iterable<Long>): Set<Long> {\n    val set = this.toMutableSet()\n    set.addAll(other)\n
return set\n}\n\n/**\n * Returns a set containing all distinct elements from both collections.\n * \n * The returned set
preserves the element iteration order of the original array.\n * Those elements of the [other] collection that are
unique are iterated in the end\n * in the order of the [other] collection.\n * \n * To get a set containing all elements
that are contained in both collections use [intersect].\n */\npublic infix fun FloatArray.union(other: Iterable<Float>):
Set<Float> {\n    val set = this.toMutableSet()\n    set.addAll(other)\n    return set\n}\n\n/**\n * Returns a set
containing all distinct elements from both collections.\n * \n * The returned set preserves the element iteration order
of the original array.\n * Those elements of the [other] collection that are unique are iterated in the end\n * in the
order of the [other] collection.\n * \n * To get a set containing all elements that are contained in both collections use
[intersect].\n */\npublic infix fun DoubleArray.union(other: Iterable<Double>): Set<Double> {\n    val set =
this.toMutableSet()\n    set.addAll(other)\n    return set\n}\n\n/**\n * Returns a set containing all distinct elements
from both collections.\n * \n * The returned set preserves the element iteration order of the original array.\n * Those
elements of the [other] collection that are unique are iterated in the end\n * in the order of the [other] collection.\n *
\n * To get a set containing all elements that are contained in both collections use [intersect].\n */\npublic infix fun
BooleanArray.union(other: Iterable<Boolean>): Set<Boolean> {\n    val set = this.toMutableSet()\n    set.addAll(other)\n
return set\n}\n\n/**\n * Returns a set containing all distinct elements from both collections.\n * \n * The returned set
preserves the element iteration order of the original array.\n * Those elements of the [other]
collection that are unique are iterated in the end\n * in the order of the [other] collection.\n * \n * To get a set
containing all elements that are contained in both collections use [intersect].\n */\npublic infix fun
CharArray.union(other: Iterable<Char>): Set<Char> {\n    val set = this.toMutableSet()\n    set.addAll(other)\n
return set\n}\n\n/**\n * Returns `true` if all elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.all\n */\npublic inline fun <T> Array<out T>.all(predicate: (T) ->
Boolean): Boolean {\n    for (element in this) if (!predicate(element)) return false\n    return true\n}\n\n/**\n *
Returns `true` if all elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.all\n */\npublic inline fun ByteArray.all(predicate: (Byte) -> Boolean):
Boolean {\n    for (element in this) if (!predicate(element)) return false\n    return true\n}\n\n/**\n * Returns `true`
if all elements match the given [predicate].\n * \n * @sample samples.collections.Collections.Aggregates.all\n */\n
public inline fun ShortArray.all(predicate: (Short) -> Boolean): Boolean {\n    for (element in this) if
(!predicate(element)) return false\n    return true\n}\n\n/**\n * Returns `true` if all elements match the given
[predicate].\n * \n * @sample samples.collections.Collections.Aggregates.all\n */\npublic inline fun
IntArray.all(predicate: (Int) -> Boolean): Boolean {\n    for (element in this) if (!predicate(element)) return false\n
return true\n}\n\n/**\n * Returns `true` if all elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.all\n */\npublic inline fun LongArray.all(predicate: (Long) -> Boolean):
Boolean {\n    for (element in this) if (!predicate(element)) return false\n    return true\n}\n\n/**\n * Returns `true`
if all elements match the given [predicate].\n * \n * @sample samples.collections.Collections.Aggregates.all\n

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*^public inline fun FloatArray.all(predicate: (Float) -> Boolean): Boolean {
    for (element in this) if (!predicate(element)) return false
    return true
}

Returns `true` if all elements match the given [predicate].

@sample samples.collections.Collections.Aggregates.all

*^public inline fun DoubleArray.all(predicate: (Double) -> Boolean): Boolean {
    for (element in this) if (!predicate(element)) return false
    return true
}

Returns `true` if all elements match the given [predicate].

@sample samples.collections.Collections.Aggregates.all

*^public inline fun BooleanArray.all(predicate: (Boolean) -> Boolean): Boolean {
    for (element in this) if (!predicate(element)) return false
    return true
}

Returns `true` if all elements match the given [predicate].

@sample samples.collections.Collections.Aggregates.all

*^public inline fun CharArray.all(predicate: (Char) -> Boolean): Boolean {
    for (element in this) if (!predicate(element)) return false
    return true
}

Returns `true` if array has at least one element.

@sample samples.collections.Collections.Aggregates.any

*^public fun <T> Array<out T>.any(): Boolean {
    return !isEmpty()
}

Returns `true` if array has at least one element.

@sample samples.collections.Collections.Aggregates.any

*^public fun ByteArray.any(): Boolean {
    return !isEmpty()
}

Returns `true` if array has at least one element.

@sample samples.collections.Collections.Aggregates.any

*^public fun ShortArray.any(): Boolean {
    return !isEmpty()
}

Returns `true` if array has at least one element.

@sample samples.collections.Collections.Aggregates.any

*^public fun IntArray.any(): Boolean {
    return !isEmpty()
}

Returns `true` if array has at least one element.

@sample samples.collections.Collections.Aggregates.any

*^public fun LongArray.any(): Boolean {
    return !isEmpty()
}

Returns `true` if array has at least one element.

@sample samples.collections.Collections.Aggregates.any

*^public fun FloatArray.any(): Boolean {
    return !isEmpty()
}

Returns `true` if array has at least one element.

@sample samples.collections.Collections.Aggregates.any

*^public fun DoubleArray.any(): Boolean {
    return !isEmpty()
}

Returns `true` if array has at least one element.

@sample samples.collections.Collections.Aggregates.any

*^public fun BooleanArray.any(): Boolean {
    return !isEmpty()
}

Returns `true` if array has at least one element.

@sample samples.collections.Collections.Aggregates.any

*^public fun CharArray.any(): Boolean {
    return !isEmpty()
}

Returns `true` if at least one element matches the given [predicate].

@sample samples.collections.Collections.Aggregates.anyWithPredicate

*^public inline fun <T> Array<out T>.any(predicate: (T) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return true
    return false
}

Returns `true` if at least one element matches the given [predicate].

@sample samples.collections.Collections.Aggregates.anyWithPredicate

*^public inline fun ByteArray.any(predicate: (Byte) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return true
    return false
}

Returns `true` if at least one element matches the given [predicate].

@sample samples.collections.Collections.Aggregates.anyWithPredicate

*^public inline fun ShortArray.any(predicate: (Short) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return true
    return false
}

Returns `true` if at least one element matches the given [predicate].

@sample samples.collections.Collections.Aggregates.anyWithPredicate

*^public inline fun IntArray.any(predicate: (Int) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return true
    return false
}

Returns `true` if at least one element matches the given [predicate].

@sample samples.collections.Collections.Aggregates.anyWithPredicate

*^public inline fun LongArray.any(predicate: (Long) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return true
    return false
}

Returns `true` if at least one element matches the given [predicate].

@sample samples.collections.Collections.Aggregates.anyWithPredicate

*^public inline fun FloatArray.any(predicate: (Float) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return true
    return false
}

Returns `true` if at least one element matches the given [predicate].

@sample samples.collections.Collections.Aggregates.anyWithPredicate

*^public inline fun DoubleArray.any(predicate: (Double) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return true
    return false
}

Returns `true` if at least one element matches the given [predicate].

@sample samples.collections.Collections.Aggregates.anyWithPredicate

```

```

false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.anyWithPredicate\n *^\npublic inline fun BooleanArray.any(predicate:
(Boolean) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return true\n  return
false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.anyWithPredicate\n *^\npublic inline fun CharArray.any(predicate:
(Char) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return true\n  return
false\n}\n\n/**\n * Returns the number of elements in this array.\n *^\n@kotlin.internal.InlineOnly\npublic inline
fun <T> Array<out T>.count(): Int {\n  return size\n}\n\n/**\n * Returns the number of elements in this array.\n
*^\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.count(): Int {\n  return size\n}\n\n/**\n * Returns the
number of elements in this array.\n *^\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.count(): Int {\n
return size\n}\n\n/**\n * Returns the number of elements in this array.\n *^\n@kotlin.internal.InlineOnly\npublic
inline fun IntArray.count(): Int {\n  return size\n}\n\n/**\n * Returns the number of elements in this array.\n
*^\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.count(): Int {\n  return size\n}\n\n/**\n * Returns the
number of elements in this array.\n *^\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.count(): Int {\n
return size\n}\n\n/**\n * Returns the number of elements in this array.\n *^\n@kotlin.internal.InlineOnly\npublic
inline fun DoubleArray.count(): Int {\n  return size\n}\n\n/**\n * Returns the number of elements in this array.\n
*^\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.count(): Int {\n  return size\n}\n\n/**\n * Returns
the number of elements in this array.\n *^\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.count(): Int {\n
return size\n}\n\n/**\n * Returns the number of elements matching the given [predicate].\n *^\npublic inline fun
<T> Array<out T>.count(predicate: (T) -> Boolean): Int {\n  var count = 0\n  for (element in this) if
(predicate(element)) ++count\n  return count\n}\n\n/**\n * Returns the number of elements matching the given
[predicate].\n *^\npublic inline fun ByteArray.count(predicate: (Byte) -> Boolean): Int {\n  var count = 0\n  for
(element in this) if (predicate(element)) ++count\n  return count\n}\n\n/**\n * Returns the number of elements
matching the given [predicate].\n *^\npublic inline fun ShortArray.count(predicate: (Short) -> Boolean): Int {\n  var
count = 0\n  for (element in this) if (predicate(element)) ++count\n  return count\n}\n\n/**\n * Returns the
number of elements matching the given [predicate].\n *^\npublic inline fun IntArray.count(predicate: (Int) ->
Boolean): Int {\n  var count = 0\n  for (element in this) if (predicate(element)) ++count\n  return
count\n}\n\n/**\n * Returns the number of elements matching the given [predicate].\n *^\npublic inline fun
LongArray.count(predicate: (Long) -> Boolean): Int {\n  var count = 0\n  for (element in this) if
(predicate(element)) ++count\n  return count\n}\n\n/**\n * Returns the number of elements matching the given
[predicate].\n *^\npublic inline fun FloatArray.count(predicate: (Float) -> Boolean): Int {\n  var count = 0\n  for
(element in this) if (predicate(element)) ++count\n  return count\n}\n\n/**\n * Returns the number of elements
matching the given [predicate].\n *^\npublic inline fun DoubleArray.count(predicate: (Double) -> Boolean): Int {\n
var count = 0\n  for (element in this) if (predicate(element)) ++count\n  return count\n}\n\n/**\n * Returns the
number of elements matching the given [predicate].\n *^\npublic inline fun BooleanArray.count(predicate: (Boolean)
-> Boolean): Int {\n  var count = 0\n  for (element in this) if (predicate(element)) ++count\n  return
count\n}\n\n/**\n * Returns the number of elements matching the given [predicate].\n *^\npublic inline fun
CharArray.count(predicate: (Char) -> Boolean): Int {\n  var count = 0\n  for (element in this) if
(predicate(element)) ++count\n  return count\n}\n\n/**\n * Accumulates value starting with [initial] value and
applying [operation] from left to right\n * to current accumulator value and each element.\n * \n * Returns the
specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes current accumulator
value and an element, and calculates the next accumulator value.\n *^\npublic inline fun <T, R> Array<out
T>.fold(initial: R, operation: (acc: R, T) -> R): R {\n  var accumulator = initial\n  for (element in this)
accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting
with [initial] value and applying [operation] from left to right\n * to current accumulator value and each element.\n
* \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes
current accumulator value and an element, and calculates the next accumulator value.\n *^\npublic inline fun <R>
ByteArray.fold(initial: R, operation: (acc: R, Byte) -> R): R {\n  var accumulator = initial\n  for (element in this)

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accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting
with [initial] value and applying [operation] from left to right\n * to current accumulator value and each element.\n *
\n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes
current accumulator value and an element, and calculates the next accumulator value.\n */\npublic inline fun <R>
ShortArray.fold(initial: R, operation: (acc: R, Short) -> R): R {\n  var accumulator = initial\n  for (element in this)
accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting
with [initial] value and applying [operation] from left to right\n * to current accumulator value and each element.\n *
\n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes
current accumulator value and an element, and calculates the next accumulator value.\n */\npublic inline fun <R>
IntArray.fold(initial: R, operation: (acc: R, Int) -> R): R {\n  var accumulator = initial\n  for (element in this)
accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting
with [initial] value and applying [operation] from left to right\n * to current accumulator value and each element.\n *
\n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes
current accumulator value and an element, and calculates the next accumulator value.\n */\npublic inline fun <R>
LongArray.fold(initial: R, operation: (acc: R, Long) -> R): R {\n  var accumulator = initial\n  for (element in this)
accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting
with [initial] value and applying [operation] from left to right\n * to current accumulator value and each element.\n *
\n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes
current accumulator value and an element, and calculates the next accumulator value.\n */\npublic inline fun <R>
FloatArray.fold(initial: R, operation: (acc: R, Float) -> R): R {\n  var accumulator = initial\n  for (element in this)
accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting
with [initial] value and applying [operation] from left to right\n * to current accumulator value and each element.\n *
\n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes
current accumulator value and an element, and calculates the next accumulator value.\n */\npublic inline fun <R>
DoubleArray.fold(initial: R, operation: (acc: R, Double) -> R): R {\n  var accumulator = initial\n  for (element in
this) accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value
starting with [initial] value and applying [operation] from left to right\n * to current accumulator value and each
element.\n * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that
takes current accumulator value and an element, and calculates the next accumulator value.\n */\npublic inline fun
<R> BooleanArray.fold(initial: R, operation: (acc: R, Boolean) -> R): R {\n  var accumulator = initial\n  for
(element in this) accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates
value starting with [initial] value and applying [operation] from left to right\n * to current accumulator value and
each element.\n * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation]
function that takes current accumulator value and an element, and calculates the next accumulator value.\n */\n
public inline fun <R> CharArray.fold(initial: R, operation: (acc: R, Char) -> R): R {\n  var accumulator =
initial\n  for (element in this) accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with [initial] value and applying [operation] from left to right\n * to current accumulator
value and each element with its index in the original array.\n * \n * Returns the specified [initial] value if the array
is empty.\n * \n * @param [operation] function that takes the index of an element, current accumulator value\n * and
the element itself, and calculates the next accumulator value.\n */\npublic inline fun <T, R> Array<out
T>.foldIndexed(initial: R, operation: (index: Int, acc: R, T) -> R): R {\n  var index = 0\n  var accumulator =
initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * \n * Returns the
specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes the index of an
element, current accumulator value\n * and the element itself, and calculates the next accumulator value.\n */\n
public inline fun <R> ByteArray.foldIndexed(initial: R, operation: (index: Int, acc: R, Byte) -> R): R {\n  var
index = 0\n  var accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator,

```

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element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying
[operation] from left to right\n * to current accumulator value and each element with its index in the original array.\n
 * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes the
index of an element, current accumulator value\n * and the element itself, and calculates the next accumulator
value.\n */\npublic inline fun <R> ShortArray.foldIndexed(initial: R, operation: (index: Int, acc: R, Short) -> R): R {\n
  var index = 0\n  var accumulator = initial\n  for (element in this) accumulator = operation(index++,
accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and
applying [operation] from left to right\n * to current accumulator value and each element with its index in the
original array.\n * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the
next accumulator value.\n */\npublic inline fun <R> IntArray.foldIndexed(initial: R, operation: (index: Int, acc: R,
Int) -> R): R {\n  var index = 0\n  var accumulator = initial\n  for (element in this) accumulator =
operation(index++, accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to right\n * to current accumulator value and each element with its
index in the original array.\n * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param
[operation] function that takes the index of an element, current accumulator value\n * and the element itself, and
calculates the next accumulator value.\n */\npublic inline fun <R> LongArray.foldIndexed(initial: R, operation:
(index: Int, acc: R, Long) -> R): R {\n  var index = 0\n  var accumulator = initial\n  for (element in this)
accumulator = operation(index++, accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value
starting with [initial] value and applying [operation] from left to right\n * to current accumulator value and each
element with its index in the original array.\n * \n * Returns the specified [initial] value if the array is empty.\n
 * \n * @param [operation] function that takes the index of an element, current accumulator value\n * and the element
itself, and calculates the next accumulator value.\n */\npublic inline fun <R> FloatArray.foldIndexed(initial: R,
operation: (index: Int, acc: R, Float) -> R): R {\n  var index = 0\n  var accumulator = initial\n  for (element in
this) accumulator = operation(index++, accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates
value starting with [initial] value and applying [operation] from left to right\n * to current accumulator value and
each element with its index in the original array.\n * \n * Returns the specified [initial] value if the array is empty.\n
 * \n * @param [operation] function that takes the index of an element, current accumulator value\n * and the
element itself, and calculates the next accumulator value.\n */\npublic inline fun <R>
DoubleArray.foldIndexed(initial: R, operation: (index: Int, acc: R, Double) -> R): R {\n  var index = 0\n  var
accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * \n * Returns the
specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes the index of an
element, current accumulator value\n * and the element itself, and calculates the next accumulator value.\n */\n
public inline fun <R> BooleanArray.foldIndexed(initial: R, operation: (index: Int, acc: R, Boolean) -> R): R {\n
  var index = 0\n  var accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator,
element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying
[operation] from left to right\n * to current accumulator value and each element with its index in the original array.\n
 * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes
the index of an element, current accumulator value\n * and the element itself, and calculates the next accumulator
value.\n */\npublic inline fun <R> CharArray.foldIndexed(initial: R, operation: (index: Int, acc: R, Char) -> R): R {\n
  var index = 0\n  var accumulator = initial\n  for (element in this) accumulator = operation(index++,
accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and
applying [operation] from right to left\n * to each element and current accumulator value.\n * \n * Returns the
specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes an element and current
accumulator value, and calculates the next accumulator value.\n */\npublic inline fun <T, R> Array<out
T>.foldRight(initial: R, operation: (T, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator = initial\n

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while (index >= 0) {
    accumulator = operation(get(index--), accumulator)
}
return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from right to left to each element and current accumulator value. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.

```

public inline fun <R> ByteArray.foldRight(initial: R, operation: (Byte, acc: R) -> R): R {
    var index = lastIndex
    var accumulator = initial
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from right to left to each element and current accumulator value. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.

```

public inline fun <R> ShortArray.foldRight(initial: R, operation: (Short, acc: R) -> R): R {
    var index = lastIndex
    var accumulator = initial
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from right to left to each element and current accumulator value. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.

```

public inline fun <R> IntArray.foldRight(initial: R, operation: (Int, acc: R) -> R): R {
    var index = lastIndex
    var accumulator = initial
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from right to left to each element and current accumulator value. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.

```

public inline fun <R> LongArray.foldRight(initial: R, operation: (Long, acc: R) -> R): R {
    var index = lastIndex
    var accumulator = initial
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from right to left to each element and current accumulator value. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.

```

public inline fun <R> FloatArray.foldRight(initial: R, operation: (Float, acc: R) -> R): R {
    var index = lastIndex
    var accumulator = initial
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from right to left to each element and current accumulator value. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.

```

public inline fun <R> DoubleArray.foldRight(initial: R, operation: (Double, acc: R) -> R): R {
    var index = lastIndex
    var accumulator = initial
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from right to left to each element and current accumulator value. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.

```

public inline fun <R> BooleanArray.foldRight(initial: R, operation: (Boolean, acc: R) -> R): R {
    var index = lastIndex
    var accumulator = initial
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from right to left to each element and current accumulator value. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.

```

public inline fun <R> CharArray.foldRight(initial: R, operation: (Char, acc: R) -> R): R {
    var index = lastIndex
    var accumulator = initial
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from right to left to each element with its index in the original array and current accumulator value. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes the index of an

```

element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n
*/\npublic inline fun <T, R> Array<out T>.foldRightIndexed(initial: R, operation: (index: Int, T, acc: R) -> R): R
{\n  var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator =
operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates
value starting with [initial] value and applying [operation] from right to left\n * to each element with its index in the
original array and current accumulator value.\n * \n * Returns the specified [initial] value if the array is empty.\n *
\n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator
value, and calculates the next accumulator value.\n */\npublic inline fun <R> ByteArray.foldRightIndexed(initial: R,
operation: (index: Int, Byte, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator = initial\n  while
(index >= 0) {\n    accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to
left\n * to each element with its index in the original array and current accumulator value.\n * \n * Returns the
specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes the index of an
element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun <R> ShortArray.foldRightIndexed(initial: R, operation: (index: Int, Short, acc: R) -> R): R {\n
var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index,
get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with
[initial] value and applying [operation] from right to left\n * to each element with its index in the original array and
current accumulator value.\n * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param
[operation] function that takes the index of an element, the element itself\n * and current accumulator value, and
calculates the next accumulator value.\n */\npublic inline fun <R> IntArray.foldRightIndexed(initial: R, operation:
(index: Int, Int, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element with
its index in the original array and current accumulator value.\n * \n * Returns the specified [initial] value if the array
is empty.\n * \n * @param [operation] function that takes the index of an element, the element itself\n * and current
accumulator value, and calculates the next accumulator value.\n */\npublic inline fun <R>
LongArray.foldRightIndexed(initial: R, operation: (index: Int, Long, acc: R) -> R): R {\n  var index = lastIndex\n
var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index, get(index), accumulator)\n
--index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying
[operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n
* \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes
the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator
value.\n */\npublic inline fun <R> FloatArray.foldRightIndexed(initial: R, operation: (index: Int, Float, acc: R) ->
R): R {\n  var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator =
operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates
value starting with [initial] value and applying [operation] from right to left\n * to each element with its index in the
original array and current accumulator value.\n * \n * Returns the specified [initial] value if the array is empty.\n *
\n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator
value, and calculates the next accumulator value.\n */\npublic inline fun <R> DoubleArray.foldRightIndexed(initial:
R, operation: (index: Int, Double, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator = initial\n  while
(index >= 0) {\n    accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to
left\n * to each element with its index in the original array and current accumulator value.\n * \n * Returns the
specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes the index of an
element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun <R> BooleanArray.foldRightIndexed(initial: R, operation: (index: Int, Boolean, acc: R) -> R):
R {\n  var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator =

```

```

operation(index, get(index), accumulator)\n    --index\n } \n return accumulator\n}\n\n * Accumulates
value starting with [initial] value and applying [operation] from right to left\n * to each element with its index in the
original array and current accumulator value.\n * \n * Returns the specified [initial] value if the array is empty.\n *
\n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator
value, and calculates the next accumulator value.\n */\npublic inline fun <R> CharArray.foldRightIndexed(initial: R,
operation: (index: Int, Char, acc: R) -> R): R { \n    var index = lastIndex\n    var accumulator = initial\n    while
(index >= 0) { \n        accumulator = operation(index, get(index), accumulator)\n        --index\n    } \n    return
accumulator\n}\n\n * Performs the given [action] on each element.\n */\npublic inline fun <T> Array<out
T>.forEach(action: (T) -> Unit): Unit { \n    for (element in this) action(element)\n}\n\n * Performs the given
[action] on each element.\n */\npublic inline fun ByteArray.forEach(action: (Byte) -> Unit): Unit { \n    for (element
in this) action(element)\n}\n\n * Performs the given [action] on each element.\n */\npublic inline fun
ShortArray.forEach(action: (Short) -> Unit): Unit { \n    for (element in this) action(element)\n}\n\n * Performs
the given [action] on each element.\n */\npublic inline fun IntArray.forEach(action: (Int) -> Unit): Unit { \n    for
(element in this) action(element)\n}\n\n * Performs the given [action] on each element.\n */\npublic inline fun
LongArray.forEach(action: (Long) -> Unit): Unit { \n    for (element in this) action(element)\n}\n\n * Performs
the given [action] on each element.\n */\npublic inline fun FloatArray.forEach(action: (Float) -> Unit): Unit { \n
for (element in this) action(element)\n}\n\n * Performs the given [action] on each element.\n */\npublic inline
fun DoubleArray.forEach(action: (Double) -> Unit): Unit { \n    for (element in this) action(element)\n}\n\n *
Performs the given [action] on each element.\n */\npublic inline fun BooleanArray.forEach(action: (Boolean) ->
Unit): Unit { \n    for (element in this) action(element)\n}\n\n * Performs the given [action] on each element.\n
*/\npublic inline fun CharArray.forEach(action: (Char) -> Unit): Unit { \n    for (element in this)
action(element)\n}\n\n * Performs the given [action] on each element, providing sequential index with the
element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs the
action on the element.\n */\npublic inline fun <T> Array<out T>.forEachIndexed(action: (index: Int, T) -> Unit):
Unit { \n    var index = 0\n    for (item in this) action(index++, item)\n}\n\n * Performs the given [action] on
each element, providing sequential index with the element.\n * @param [action] function that takes the index of an
element and the element itself\n * and performs the action on the element.\n */\npublic inline fun
ByteArray.forEachIndexed(action: (index: Int, Byte) -> Unit): Unit { \n    var index = 0\n    for (item in this)
action(index++, item)\n}\n\n * Performs the given [action] on each element, providing sequential index with
the element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs
the action on the element.\n */\npublic inline fun ShortArray.forEachIndexed(action: (index: Int, Short) -> Unit):
Unit { \n    var index = 0\n    for (item in this) action(index++, item)\n}\n\n * Performs the given [action] on
each element, providing sequential index with the element.\n * @param [action] function that takes the index of an
element and the element itself\n * and performs the action on the element.\n */\npublic inline fun
IntArray.forEachIndexed(action: (index: Int, Int) -> Unit): Unit { \n    var index = 0\n    for (item in this)
action(index++, item)\n}\n\n * Performs the given [action] on each element, providing sequential index with
the element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs
the action on the element.\n */\npublic inline fun LongArray.forEachIndexed(action: (index: Int, Long) -> Unit):
Unit { \n    var index = 0\n    for (item in this) action(index++, item)\n}\n\n * Performs the given [action] on
each element, providing sequential index with the element.\n * @param [action] function that takes the index of an
element and the element itself\n * and performs the action on the element.\n */\npublic inline fun
FloatArray.forEachIndexed(action: (index: Int, Float) -> Unit): Unit { \n    var index = 0\n    for (item in this)
action(index++, item)\n}\n\n * Performs the given [action] on each element, providing sequential index with
the element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs
the action on the element.\n */\npublic inline fun DoubleArray.forEachIndexed(action: (index: Int, Double) -> Unit):
Unit { \n    var index = 0\n    for (item in this) action(index++, item)\n}\n\n * Performs the given [action] on
each element, providing sequential index with the element.\n * @param [action] function that takes the index of an
element and the element itself\n * and performs the action on the element.\n */\npublic inline fun

```

```

BooleanArray.forEachIndexed(action: (index: Int, Boolean) -> Unit): Unit {\n  var index = 0\n  for (item in this)
action(index++, item)\n}\n\n/**\n * Performs the given [action] on each element, providing sequential index with
the element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs
the action on the element.\n */\npublic inline fun CharArray.forEachIndexed(action: (index: Int, Char) -> Unit): Unit
{\n  var index = 0\n  for (item in this) action(index++, item)\n}\n\n@Deprecated("Use maxOrNull instead.",
ReplaceWith("this.maxOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\n@SinceKotlin("1.1")\npublic fun Array<out Double>.max(): Double? {\n  return
maxOrNull()\n}\n\n@Deprecated("Use maxOrNull instead.",
ReplaceWith("this.maxOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\n@SinceKotlin("1.1")\npublic fun Array<out Float>.max(): Float? {\n  return
maxOrNull()\n}\n\n@Deprecated("Use maxOrNull instead.",
ReplaceWith("this.maxOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\npublic fun <T : Comparable<T>> Array<out T>.max(): T? {\n  return
maxOrNull()\n}\n\n@Deprecated("Use maxOrNull instead.",
ReplaceWith("this.maxOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\npublic fun ByteArray.max(): Byte? {\n  return maxOrNull()\n}\n\n@Deprecated("Use
maxOrNull instead.", ReplaceWith("this.maxOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4",
errorSince = "1.5", hiddenSince = "1.6")\npublic fun ShortArray.max(): Short? {\n  return
maxOrNull()\n}\n\n@Deprecated("Use maxOrNull instead.",
ReplaceWith("this.maxOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\npublic fun IntArray.max(): Int? {\n  return maxOrNull()\n}\n\n@Deprecated("Use
maxOrNull instead.", ReplaceWith("this.maxOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4",
errorSince = "1.5", hiddenSince = "1.6")\npublic fun LongArray.max(): Long? {\n  return
maxOrNull()\n}\n\n@Deprecated("Use maxOrNull instead.",
ReplaceWith("this.maxOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\npublic fun FloatArray.max(): Float? {\n  return maxOrNull()\n}\n\n@Deprecated("Use
maxOrNull instead.", ReplaceWith("this.maxOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4",
errorSince = "1.5", hiddenSince = "1.6")\npublic fun DoubleArray.max(): Double? {\n  return
maxOrNull()\n}\n\n@Deprecated("Use maxOrNull instead.",
ReplaceWith("this.maxOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\npublic fun CharArray.max(): Char? {\n  return maxOrNull()\n}\n\n@Deprecated("Use
maxByOrNull instead.", ReplaceWith("this.maxByOrNull(selector)"))\n@DeprecatedSinceKotlin(warningSince =
"1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic inline fun <T, R : Comparable<R>> Array<out
T>.maxBy(selector: (T) -> R): T? {\n  return maxByOrNull(selector)\n}\n\n@Deprecated("Use maxByOrNull
instead.", ReplaceWith("this.maxByOrNull(selector)"))\n@DeprecatedSinceKotlin(warningSince = "1.4",
errorSince = "1.5", hiddenSince = "1.6")\npublic inline fun <R : Comparable<R>> ByteArray.maxBy(selector:
(Byte) -> R): Byte? {\n  return maxByOrNull(selector)\n}\n\n@Deprecated("Use maxByOrNull instead.",
ReplaceWith("this.maxByOrNull(selector)"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.5", hiddenSince = "1.6")\npublic inline fun <R : Comparable<R>> ShortArray.maxBy(selector: (Short) -> R):
Short? {\n  return maxByOrNull(selector)\n}\n\n@Deprecated("Use maxByOrNull instead.",
ReplaceWith("this.maxByOrNull(selector)"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.5", hiddenSince = "1.6")\npublic inline fun <R : Comparable<R>> IntArray.maxBy(selector: (Int) -> R): Int?
{\n  return maxByOrNull(selector)\n}\n\n@Deprecated("Use maxByOrNull instead.",
ReplaceWith("this.maxByOrNull(selector)"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.5", hiddenSince = "1.6")\npublic inline fun <R : Comparable<R>> LongArray.maxBy(selector: (Long) -> R):
Long? {\n  return maxByOrNull(selector)\n}\n\n@Deprecated("Use maxByOrNull instead.",
ReplaceWith("this.maxByOrNull(selector)"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.5", hiddenSince = "1.6")\npublic inline fun <R : Comparable<R>> FloatArray.maxBy(selector: (Float) -> R):

```

```

Float? {\n  return maxByOrNull(selector)\n}\n\n@Deprecated(\\"Use maxByOrNull instead.\",
ReplaceWith(\\"this.maxByOrNull(selector)\")\n)\n@DeprecatedSinceKotlin(warningSince = \\"1.4\", errorSince =
\\"1.5\", hiddenSince = \\"1.6\")\npublic inline fun <R : Comparable<R>> DoubleArray.maxBy(selector: (Double) ->
R): Double? {\n  return maxByOrNull(selector)\n}\n\n@Deprecated(\\"Use maxByOrNull instead.\",
ReplaceWith(\\"this.maxByOrNull(selector)\")\n)\n@DeprecatedSinceKotlin(warningSince = \\"1.4\", errorSince =
\\"1.5\", hiddenSince = \\"1.6\")\npublic inline fun <R : Comparable<R>> BooleanArray.maxBy(selector: (Boolean) -
> R): Boolean? {\n  return maxByOrNull(selector)\n}\n\n@Deprecated(\\"Use maxByOrNull instead.\",
ReplaceWith(\\"this.maxByOrNull(selector)\")\n)\n@DeprecatedSinceKotlin(warningSince = \\"1.4\", errorSince =
\\"1.5\", hiddenSince = \\"1.6\")\npublic inline fun <R : Comparable<R>> CharArray.maxBy(selector: (Char) -> R):
Char? {\n  return maxByOrNull(selector)\n}\n\n/**\n * Returns the first element yielding the largest value of the
given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n * \n *\n */\n@SinceKotlin(\\"1.4\")\npublic inline fun <T, R :
Comparable<R>> Array<out T>.maxByOrNull(selector: (T) -> R): T? {\n  if (isEmpty()) return null\n  var
maxElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxV =
selector(maxElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxV < v)
{\n      maxElem = e\n      maxV = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n * \n *\n */\n@SinceKotlin(\\"1.4\")\npublic inline fun <R :
Comparable<R>> ByteArray.maxByOrNull(selector: (Byte) -> R): Byte? {\n  if (isEmpty()) return null\n  var
maxElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxV =
selector(maxElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxV < v)
{\n      maxElem = e\n      maxV = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n * \n *\n */\n@SinceKotlin(\\"1.4\")\npublic inline fun <R :
Comparable<R>> ShortArray.maxByOrNull(selector: (Short) -> R): Short? {\n  if (isEmpty()) return null\n  var
maxElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxV =
selector(maxElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxV < v)
{\n      maxElem = e\n      maxV = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n * \n *\n */\n@SinceKotlin(\\"1.4\")\npublic inline fun <R :
Comparable<R>> IntArray.maxByOrNull(selector: (Int) -> R): Int? {\n  if (isEmpty()) return null\n  var maxElem
= this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxV =
selector(maxElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxV < v)
{\n      maxElem = e\n      maxV = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n * \n *\n */\n@SinceKotlin(\\"1.4\")\npublic inline fun <R :
Comparable<R>> LongArray.maxByOrNull(selector: (Long) -> R): Long? {\n  if (isEmpty()) return null\n  var
maxElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxV =
selector(maxElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxV < v)
{\n      maxElem = e\n      maxV = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n * \n *\n */\n@SinceKotlin(\\"1.4\")\npublic inline fun <R :
Comparable<R>> FloatArray.maxByOrNull(selector: (Float) -> R): Float? {\n  if (isEmpty()) return null\n  var
maxElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxV =
selector(maxElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxV < v)
{\n      maxElem = e\n      maxV = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n * \n *\n */\n@SinceKotlin(\\"1.4\")\npublic inline fun <R :

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Comparable<R>> DoubleArray.maxByOrNull(selector: (Double) -> R): Double? {\n  if (isEmpty()) return null\n
var maxElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxValue =
selector(maxElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxValue < v)
{\n      maxElem = e\n      maxValue = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n * \n * @SinceKotlin("1.4")\n\npublic inline fun <R :
Comparable<R>> BooleanArray.maxByOrNull(selector: (Boolean) -> R): Boolean? {\n  if (isEmpty()) return
null\n  var maxElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var
maxValue = selector(maxElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if
(maxValue < v) {\n      maxElem = e\n      maxValue = v\n    }\n  }\n  return maxElem\n}\n\n/**\n *
Returns the first element yielding the largest value of the given function or `null` if there are no elements.\n * \n *
@sample samples.collections.Collections.Aggregates.maxByOrNull\n * \n * @SinceKotlin("1.4")\n\npublic inline fun
<R : Comparable<R>> CharArray.maxByOrNull(selector: (Char) -> R): Char? {\n  if (isEmpty()) return null\n
var maxElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxValue =
selector(maxElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxValue < v)
{\n      maxElem = e\n      maxValue = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the largest
value among all values produced by [selector] function\n * applied to each element in the array.\n * \n * If any of
values produced by [selector] function is `NaN`, the returned result is `NaN`.\n * \n * @throws
NoSuchElementException if the array is empty.\n
*\n * @SinceKotlin("1.4")\n\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n\n@OverloadResolution
ByLambdaReturnType\n\n@kotlin.internal.InlineOnly\n\npublic inline fun <T> Array<out T>.maxOf(selector: (T) ->
Double): Double {\n  if (isEmpty()) throw NoSuchElementException()\n  var maxValue = selector(this[0])\n  for
(i in 1..lastIndex) {\n    val v = selector(this[i])\n    maxValue = maxOf(maxValue, v)\n  }\n  return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n * @SinceKotlin("1.4")\n\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n\n@OverloadResolution
ByLambdaReturnType\n\n@kotlin.internal.InlineOnly\n\npublic inline fun ByteArray.maxOf(selector: (Byte) ->
Double): Double {\n  if (isEmpty()) throw NoSuchElementException()\n  var maxValue = selector(this[0])\n  for
(i in 1..lastIndex) {\n    val v = selector(this[i])\n    maxValue = maxOf(maxValue, v)\n  }\n  return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n * @SinceKotlin("1.4")\n\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n\n@OverloadResolution
ByLambdaReturnType\n\n@kotlin.internal.InlineOnly\n\npublic inline fun ShortArray.maxOf(selector: (Short) ->
Double): Double {\n  if (isEmpty()) throw NoSuchElementException()\n  var maxValue = selector(this[0])\n  for
(i in 1..lastIndex) {\n    val v = selector(this[i])\n    maxValue = maxOf(maxValue, v)\n  }\n  return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n * @SinceKotlin("1.4")\n\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n\n@OverloadResolution
ByLambdaReturnType\n\n@kotlin.internal.InlineOnly\n\npublic inline fun IntArray.maxOf(selector: (Int) -> Double):
Double {\n  if (isEmpty()) throw NoSuchElementException()\n  var maxValue = selector(this[0])\n  for (i in
1..lastIndex) {\n    val v = selector(this[i])\n    maxValue = maxOf(maxValue, v)\n  }\n  return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n * @SinceKotlin("1.4")\n\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n\n@OverloadResolution

```

```

ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.maxOf(selector: (Long) ->
Double): Double {\n if (isEmpty()) throw NoSuchElementException()\n var maxValue = selector(this[0])\n for
(i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue, v)\n }\n return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.maxOf(selector: (Float) ->
Double): Double {\n if (isEmpty()) throw NoSuchElementException()\n var maxValue = selector(this[0])\n for
(i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue, v)\n }\n return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.maxOf(selector: (Double) ->
Double): Double {\n if (isEmpty()) throw NoSuchElementException()\n var maxValue = selector(this[0])\n for
(i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue, v)\n }\n return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.maxOf(selector: (Boolean) ->
Double): Double {\n if (isEmpty()) throw NoSuchElementException()\n var maxValue = selector(this[0])\n for
(i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue, v)\n }\n return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.maxOf(selector: (Char) ->
Double): Double {\n if (isEmpty()) throw NoSuchElementException()\n var maxValue = selector(this[0])\n for
(i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue, v)\n }\n return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.maxOf(selector: (T) ->
Float): Float {\n if (isEmpty()) throw NoSuchElementException()\n var maxValue = selector(this[0])\n for (i
in 1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue, v)\n }\n return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.maxOf(selector: (Byte) -> Float):
Float {\n if (isEmpty()) throw NoSuchElementException()\n var maxValue = selector(this[0])\n for (i in
1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue, v)\n }\n return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n

```

```

*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.maxOf(selector: (Short) ->
Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var maxValue = selector(this[0])\n    for (i
in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.maxOf(selector: (Int) -> Float):
Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var maxValue = selector(this[0])\n    for (i
in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.maxOf(selector: (Long) ->
Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var maxValue = selector(this[0])\n    for (i
in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.maxOf(selector: (Float) ->
Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var maxValue = selector(this[0])\n    for (i
in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.maxOf(selector: (Double) ->
Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var maxValue = selector(this[0])\n    for (i
in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.maxOf(selector: (Boolean) ->
Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var maxValue = selector(this[0])\n    for (i
in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.maxOf(selector: (Char) -> Float):
Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var maxValue = selector(this[0])\n    for (i
in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n

```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R : Comparable<R>> Array<out\nT>.maxOf(selector: (T) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var maxValue =\n    selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced\n * by [selector] function\n * applied to each element in the array.\n * @throws NoSuchElementException if the\n * array is empty.\n */
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>\nByteArray.maxOf(selector: (Byte) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var\n    maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values\n * produced by [selector] function\n * applied to each element in the array.\n * @throws\n * NoSuchElementException if the array is empty.\n */
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```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>\nShortArray.maxOf(selector: (Short) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var\n    maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values\n * produced by [selector] function\n * applied to each element in the array.\n * @throws\n * NoSuchElementException if the array is empty.\n */
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```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>\nIntArray.maxOf(selector: (Int) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var maxValue =\n    selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced\n * by [selector] function\n * applied to each element in the array.\n * @throws NoSuchElementException if the\n * array is empty.\n */
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>\nLongArray.maxOf(selector: (Long) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var\n    maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values\n * produced by [selector] function\n * applied to each element in the array.\n * @throws\n * NoSuchElementException if the array is empty.\n */
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>\nFloatArray.maxOf(selector: (Float) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var\n    maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values\n * produced by [selector] function\n * applied to each element in the array.\n * @throws\n * NoSuchElementException if the array is empty.\n */
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>\nDoubleArray.maxOf(selector: (Double) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var\n    maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values\n * produced by [selector] function\n * applied to each element in the array.\n * @throws\n */
```

NoSuchElementException if the array is empty.\n

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>
```

```
BooleanArray.maxOf(selector: (Boolean) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var\n    maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values\n * produced by [selector] function\n * applied to each element in the array.\n * \n * @throws
```

NoSuchElementException if the array is empty.\n

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>
```

```
CharArray.maxOf(selector: (Char) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var\n    maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values\n * produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.maxOfOrNull(selector:
```

```
(T) -> Double): Double? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in\n    1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return\n    maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to\n * each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function\n * is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.maxOfOrNull(selector: (Byte) ->
```

```
Double): Double? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns\n * the largest value among all values produced by [selector] function\n * applied to each element in the array or `null`\n * if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is\n * `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.maxOfOrNull(selector: (Short) -
```

```
> Double): Double? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex)\n    {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array\n * or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned\n * result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.maxOfOrNull(selector: (Int) ->
```

```
Double): Double? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns\n * the largest value among all values produced by [selector] function\n * applied to each element in the array or `null`\n * if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is\n * `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.maxOfOrNull(selector: (Long) -
```

```
> Double): Double? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex)\n    {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array
```

or `null` if there are no elements.\n \* \n \* If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.maxOrNull(selector: (Float) -> Double): Double? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.maxOrNull(selector: (Double) -> Double): Double? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.maxOrNull(selector: (Boolean) -> Double): Double? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.maxOrNull(selector: (Char) -> Double): Double? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.maxOrNull(selector: (T) -> Float): Float? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.maxOrNull(selector: (Byte) -> Float): Float? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.maxOrNull(selector: (Short) -> Float): Float? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns
```

the largest value among all values produced by [selector] function  
\* applied to each element in the array or `null`  
if there are no elements.  
\* If any of values produced by [selector] function is `NaN`, the returned result is  
`NaN`.

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution  
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.maxOrNull(selector: (Int) ->  
Float): Float? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n/**\n * Returns  
the largest value among all values produced by [selector] function  
* applied to each element in the array or `null`  
if there are no elements.  
* If any of values produced by [selector] function is `NaN`, the returned result is  
`NaN`.
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution  
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.maxOrNull(selector: (Long) -  
> Float): Float? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n/**\n * Returns  
the largest value among all values produced by [selector] function  
* applied to each element in the array or `null`  
if there are no elements.  
* If any of values produced by [selector] function is `NaN`, the returned result is  
`NaN`.
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution  
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.maxOrNull(selector: (Float) -  
> Float): Float? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n/**\n * Returns  
the largest value among all values produced by [selector] function  
* applied to each element in the array or `null`  
if there are no elements.  
* If any of values produced by [selector] function is `NaN`, the returned result is  
`NaN`.
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution  
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.maxOrNull(selector:  
(Double) -> Float): Float? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in  
1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return  
maxValue\n}\n/**\n * Returns the largest value among all values produced by [selector] function  
* applied to  
each element in the array or `null` if there are no elements.  
* If any of values produced by [selector] function  
is `NaN`, the returned result is `NaN`.
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution  
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.maxOrNull(selector:  
(Boolean) -> Float): Float? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in  
1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return  
maxValue\n}\n/**\n * Returns the largest value among all values produced by [selector] function  
* applied to  
each element in the array or `null` if there are no elements.  
* If any of values produced by [selector] function  
is `NaN`, the returned result is `NaN`.
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution  
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.maxOrNull(selector: (Char) ->  
Float): Float? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n/**\n * Returns  
the largest value among all values produced by [selector] function  
* applied to each element in the array or `null`  
if there are no elements.
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```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution  
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R : Comparable<R>> Array<out  
T>.maxOrNull(selector: (T) -> R): R? {\n    if (isEmpty()) return null\n    var maxValue = selector(this[0])\n    for  
(i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n}
```

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return maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>\nByteArray.maxOrNull(selector: (Byte) -> R): R? {\n    if (isEmpty()) return null\n    var maxValue =\n    selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced\n * by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>\nShortArray.maxOrNull(selector: (Short) -> R): R? {\n    if (isEmpty()) return null\n    var maxValue =\n    selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced\n * by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>\nIntArray.maxOrNull(selector: (Int) -> R): R? {\n    if (isEmpty()) return null\n    var maxValue =\n    selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced\n * by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>\nFloatArray.maxOrNull(selector: (Float) -> R): R? {\n    if (isEmpty()) return null\n    var maxValue =\n    selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced\n * by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>\nCharArray.maxOrNull(selector: (Char) -> R): R? {\n    if (isEmpty()) return null\n    var maxValue =\n    selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n

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maxValue = v\n    }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value according to the provided
[comparator]\n * among all values produced by [selector] function applied to each element in the array.\n * \n *
@throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R> Array<out
T>.maxOfWith(comparator: Comparator<in R>, selector: (T) -> R): R {\n    if (isEmpty()) throw
NoSuchElementException()\n    var maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v =
selector(this[i])\n        if (comparator.compare(maxValue, v) < 0) {\n            maxValue = v\n        }\n    }\n    return
maxValue\n}\n\n/**\n * Returns the largest value according to the provided [comparator]\n * among all values
produced by [selector] function applied to each element in the array.\n * \n * @throws NoSuchElementException if
the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R> ByteArray.maxOfWith(comparator:
Comparator<in R>, selector: (Byte) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if
(comparator.compare(maxValue, v) < 0) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R> ShortArray.maxOfWith(comparator:
Comparator<in R>, selector: (Short) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if
(comparator.compare(maxValue, v) < 0) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R> IntArray.maxOfWith(comparator:
Comparator<in R>, selector: (Int) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var maxValue
= selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if
(comparator.compare(maxValue, v) < 0) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R> LongArray.maxOfWith(comparator:
Comparator<in R>, selector: (Long) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if
(comparator.compare(maxValue, v) < 0) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R> FloatArray.maxOfWith(comparator:
Comparator<in R>, selector: (Float) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
maxValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if
(comparator.compare(maxValue, v) < 0) {\n            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R> DoubleArray.maxOfWith(comparator:

```

```

Comparator<in R>, selector: (Double) -> R): R {\n  if (isEmpty()) throw NoSuchElementException()\n  var
maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if
(comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n *\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R> BooleanArray.maxOfWith(comparator:
Comparator<in R>, selector: (Boolean) -> R): R {\n  if (isEmpty()) throw NoSuchElementException()\n  var
maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if
(comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n
*\n *\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R> CharArray.maxOfWith(comparator:
Comparator<in R>, selector: (Char) -> R): R {\n  if (isEmpty()) throw NoSuchElementException()\n  var
maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if
(comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array or `null` if there are no elements.\n
*\n *\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R> Array<out
T>.maxOfWithOrNull(comparator: Comparator<in R>, selector: (T) -> R): R? {\n  if (isEmpty()) return null\n
var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if
(comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array or `null` if there are no elements.\n
*\n *\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R>
ByteArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (Byte) -> R): R? {\n  if (isEmpty()) return
null\n  var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if
(comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array or `null` if there are no elements.\n
*\n *\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R>
ShortArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (Short) -> R): R? {\n  if (isEmpty())
return null\n  var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if
(comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array or `null` if there are no elements.\n
*\n *\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R>
IntArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (Int) -> R): R? {\n  if (isEmpty()) return
null\n  var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if
(comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array or `null` if there are no elements.\n
*\n *\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution

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ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R>
LongArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (Long) -> R): R? {\n if (isEmpty())
return null\n var max = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
(comparator.compare(max, v) < 0) {\n max = v\n }\n }\n return max\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R>
FloatArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (Float) -> R): R? {\n if (isEmpty())
return null\n var max = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
(comparator.compare(max, v) < 0) {\n max = v\n }\n }\n return max\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R>
DoubleArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (Double) -> R): R? {\n if (isEmpty())
return null\n var max = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
(comparator.compare(max, v) < 0) {\n max = v\n }\n }\n return max\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R>
BooleanArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (Boolean) -> R): R? {\n if (isEmpty())
return null\n var max = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
(comparator.compare(max, v) < 0) {\n max = v\n }\n }\n return max\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each element in the array or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R>
CharArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (Char) -> R): R? {\n if (isEmpty()) return
null\n var max = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
(comparator.compare(max, v) < 0) {\n max = v\n }\n }\n return max\n}\n\n/**\n *
Returns the largest element or `null` if there are no elements.\n * \n * If any of elements is `NaN` returns `NaN`.\n
*\n@SinceKotlin("1.4")\npublic fun Array<out Double>.maxOrNull(): Double? {\n if (isEmpty()) return null\n
var max = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n max = maxOf(max, e)\n }\n return
max\n}\n\n/**\n *
Returns the largest element or `null` if there are no elements.\n * \n * If any of elements is `NaN`
returns `NaN`.\n *\n@SinceKotlin("1.4")\npublic fun Array<out Float>.maxOrNull(): Float? {\n if (isEmpty())
return null\n var max = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n max = maxOf(max, e)\n }\n
return max\n}\n\n/**\n *
Returns the largest element or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\npublic fun <T : Comparable<T>> Array<out T>.maxOrNull(): T? {\n if (isEmpty())
return null\n var max = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n if (max < e) max = e\n }\n
return max\n}\n\n/**\n *
Returns the largest element or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\npublic fun ByteArray.maxOrNull(): Byte? {\n if (isEmpty()) return null\n var max =
this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n if (max < e) max = e\n }\n return max\n}\n\n/**\n *
Returns the largest element or `null` if there are no elements.\n *\n@SinceKotlin("1.4")\npublic fun
ShortArray.maxOrNull(): Short? {\n if (isEmpty()) return null\n var max = this[0]\n for (i in 1..lastIndex) {\n
val e = this[i]\n if (max < e) max = e\n }\n return max\n}\n\n/**\n *
Returns the largest element or `null` if
there are no elements.\n *\n@SinceKotlin("1.4")\npublic fun IntArray.maxOrNull(): Int? {\n if (isEmpty())

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return null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if (max < e) max = e\n  }\nreturn max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n */\n\n@SinceKotlin("1.4")\npublic fun LongArray.maxOrNull(): Long? {\n  if (isEmpty()) return null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if (max < e) max = e\n  }\n  return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n * \n * If any of elements is `NaN` returns `NaN`.\n */\n\n@SinceKotlin("1.4")\npublic fun FloatArray.maxOrNull(): Float? {\n  if (isEmpty()) return null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    max = maxOf(max, e)\n  }\n  return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n * \n * If any of elements is `NaN` returns `NaN`.\n */\n\n@SinceKotlin("1.4")\npublic fun DoubleArray.maxOrNull(): Double? {\n  if (isEmpty())\nreturn null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    max = maxOf(max, e)\n  }\n  return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n */\n\n@SinceKotlin("1.4")\npublic fun CharArray.maxOrNull(): Char? {\n  if (isEmpty()) return null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if (max < e) max = e\n  }\n  return max\n}\n\n@Deprecated("Use maxWithOrNull instead.")\nReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic fun <T> Array<out T>.maxWith(comparator: Comparator<in T>): T? {\n  return maxWithOrNull(comparator)\n}\n\n@Deprecated("Use maxWithOrNull instead.")\nReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic fun ByteArray.maxWith(comparator: Comparator<in Byte>): Byte? {\n  return maxWithOrNull(comparator)\n}\n\n@Deprecated("Use maxWithOrNull instead.")\nReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic fun ShortArray.maxWith(comparator: Comparator<in Short>): Short? {\n  return maxWithOrNull(comparator)\n}\n\n@Deprecated("Use maxWithOrNull instead.")\nReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic fun IntArray.maxWith(comparator: Comparator<in Int>): Int? {\n  return maxWithOrNull(comparator)\n}\n\n@Deprecated("Use maxWithOrNull instead.")\nReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic fun LongArray.maxWith(comparator: Comparator<in Long>): Long? {\n  return maxWithOrNull(comparator)\n}\n\n@Deprecated("Use maxWithOrNull instead.")\nReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic fun FloatArray.maxWith(comparator: Comparator<in Float>): Float? {\n  return maxWithOrNull(comparator)\n}\n\n@Deprecated("Use maxWithOrNull instead.")\nReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic fun DoubleArray.maxWith(comparator: Comparator<in Double>): Double? {\n  return maxWithOrNull(comparator)\n}\n\n@Deprecated("Use maxWithOrNull instead.")\nReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic fun BooleanArray.maxWith(comparator: Comparator<in Boolean>): Boolean? {\n  return maxWithOrNull(comparator)\n}\n\n@Deprecated("Use maxWithOrNull instead.")\nReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic fun CharArray.maxWith(comparator: Comparator<in Char>): Char? {\n  return maxWithOrNull(comparator)\n}\n\n/**\n * Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements.\n */\n\n@SinceKotlin("1.4")\npublic fun <T> Array<out T>.maxWithOrNull(comparator: Comparator<in T>): T? {\n  if (isEmpty()) return null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if (comparator.compare(max, e) < 0) max = e\n  }\n  return max\n}\n\n/**\n * Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements.\n */\n\n@SinceKotlin("1.4")\npublic fun ByteArray.maxWithOrNull(comparator: Comparator<in Byte>): Byte? {\n  if (isEmpty()) return null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if (comparator.compare(max, e) < 0) max = e\n  }\n  return max\n}\n\n/**\n * Returns the

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first element having the largest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\npublic fun ShortArray.maxWithOrNull(comparator: Comparator<in Short>): Short? {\n
if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if
(comparator.compare(max, e) < 0) max = e\n    }\n    return max\n}\n\n/**\n * Returns the first element having the
largest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\npublic fun IntArray.maxWithOrNull(comparator: Comparator<in Int>): Int? {\n    if
(isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if
(comparator.compare(max, e) < 0) max = e\n    }\n    return max\n}\n\n/**\n * Returns the first element having the
largest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\npublic fun LongArray.maxWithOrNull(comparator: Comparator<in Long>): Long? {\n
if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if
(comparator.compare(max, e) < 0) max = e\n    }\n    return max\n}\n\n/**\n * Returns the first element having the
largest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\npublic fun FloatArray.maxWithOrNull(comparator: Comparator<in Float>): Float? {\n
if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if
(comparator.compare(max, e) < 0) max = e\n    }\n    return max\n}\n\n/**\n * Returns the first element having the
largest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\npublic fun DoubleArray.maxWithOrNull(comparator: Comparator<in Double>):
Double? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n
if (comparator.compare(max, e) < 0) max = e\n    }\n    return max\n}\n\n/**\n * Returns the first element having the
largest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\npublic fun BooleanArray.maxWithOrNull(comparator: Comparator<in Boolean>):
Boolean? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n
if (comparator.compare(max, e) < 0) max = e\n    }\n    return max\n}\n\n/**\n * Returns the first element having the
largest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\npublic fun CharArray.maxWithOrNull(comparator: Comparator<in Char>): Char? {\n
if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if
(comparator.compare(max, e) < 0) max = e\n    }\n    return max\n}\n\n@Deprecated("Use minOrNull instead.",
ReplaceWith("this.minOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\n@SinceKotlin("1.1")\npublic fun Array<out Double>.min(): Double? {\n    return
minOrNull()\n}\n\n@Deprecated("Use minOrNull instead.",
ReplaceWith("this.minOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\n@SinceKotlin("1.1")\npublic fun Array<out Float>.min(): Float? {\n    return
minOrNull()\n}\n\n@Deprecated("Use minOrNull instead.",
ReplaceWith("this.minOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\npublic fun <T : Comparable<T>> Array<out T>.min(): T? {\n    return
minOrNull()\n}\n\n@Deprecated("Use minOrNull instead.",
ReplaceWith("this.minOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\npublic fun ByteArray.min(): Byte? {\n    return minOrNull()\n}\n\n@Deprecated("Use
minOrNull instead.", ReplaceWith("this.minOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4",
errorSince = "1.5", hiddenSince = "1.6")\npublic fun ShortArray.min(): Short? {\n    return
minOrNull()\n}\n\n@Deprecated("Use minOrNull instead.",
ReplaceWith("this.minOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\npublic fun IntArray.min(): Int? {\n    return minOrNull()\n}\n\n@Deprecated("Use
minOrNull instead.", ReplaceWith("this.minOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4",
errorSince = "1.5", hiddenSince = "1.6")\npublic fun LongArray.min(): Long? {\n    return
minOrNull()\n}\n\n@Deprecated("Use minOrNull instead.",
ReplaceWith("this.minOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",

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hiddenSince = `1.6`)npublic fun FloatArray.min(): Float? {n  return minOrNull()\n}\n\n@Deprecated(`Use
minOrNull instead.`), ReplaceWith(`this.minOrNull()\n`)n@DeprecatedSinceKotlin(warningSince = `1.4`,
errorSince = `1.5`, hiddenSince = `1.6`)npublic fun DoubleArray.min(): Double? {n  return
minOrNull()\n}\n\n@Deprecated(`Use minOrNull instead.`),
ReplaceWith(`this.minOrNull()\n`)n@DeprecatedSinceKotlin(warningSince = `1.4`, errorSince = `1.5`,
hiddenSince = `1.6`)npublic fun CharArray.min(): Char? {n  return minOrNull()\n}\n\n@Deprecated(`Use
minByOrNull instead.`), ReplaceWith(`this.minByOrNull(selector)\n`)n@DeprecatedSinceKotlin(warningSince =
`1.4`, errorSince = `1.5`, hiddenSince = `1.6`)npublic inline fun <T, R : Comparable<R>> Array<out
T>.minBy(selector: (T) -> R): T? {n  return minByOrNull(selector)\n}\n\n@Deprecated(`Use minByOrNull
instead.`), ReplaceWith(`this.minByOrNull(selector)\n`)n@DeprecatedSinceKotlin(warningSince = `1.4`,
errorSince = `1.5`, hiddenSince = `1.6`)npublic inline fun <R : Comparable<R>> ByteArray.minBy(selector:
(Byte) -> R): Byte? {n  return minByOrNull(selector)\n}\n\n@Deprecated(`Use minByOrNull instead.`),
ReplaceWith(`this.minByOrNull(selector)\n`)n@DeprecatedSinceKotlin(warningSince = `1.4`, errorSince =
`1.5`, hiddenSince = `1.6`)npublic inline fun <R : Comparable<R>> ShortArray.minBy(selector: (Short) -> R):
Short? {n  return minByOrNull(selector)\n}\n\n@Deprecated(`Use minByOrNull instead.`),
ReplaceWith(`this.minByOrNull(selector)\n`)n@DeprecatedSinceKotlin(warningSince = `1.4`, errorSince =
`1.5`, hiddenSince = `1.6`)npublic inline fun <R : Comparable<R>> IntArray.minBy(selector: (Int) -> R): Int?
{n  return minByOrNull(selector)\n}\n\n@Deprecated(`Use minByOrNull instead.`),
ReplaceWith(`this.minByOrNull(selector)\n`)n@DeprecatedSinceKotlin(warningSince = `1.4`, errorSince =
`1.5`, hiddenSince = `1.6`)npublic inline fun <R : Comparable<R>> LongArray.minBy(selector: (Long) -> R):
Long? {n  return minByOrNull(selector)\n}\n\n@Deprecated(`Use minByOrNull instead.`),
ReplaceWith(`this.minByOrNull(selector)\n`)n@DeprecatedSinceKotlin(warningSince = `1.4`, errorSince =
`1.5`, hiddenSince = `1.6`)npublic inline fun <R : Comparable<R>> FloatArray.minBy(selector: (Float) -> R):
Float? {n  return minByOrNull(selector)\n}\n\n@Deprecated(`Use minByOrNull instead.`),
ReplaceWith(`this.minByOrNull(selector)\n`)n@DeprecatedSinceKotlin(warningSince = `1.4`, errorSince =
`1.5`, hiddenSince = `1.6`)npublic inline fun <R : Comparable<R>> DoubleArray.minBy(selector: (Double) ->
R): Double? {n  return minByOrNull(selector)\n}\n\n@Deprecated(`Use minByOrNull instead.`),
ReplaceWith(`this.minByOrNull(selector)\n`)n@DeprecatedSinceKotlin(warningSince = `1.4`, errorSince =
`1.5`, hiddenSince = `1.6`)npublic inline fun <R : Comparable<R>> BooleanArray.minBy(selector: (Boolean) -
> R): Boolean? {n  return minByOrNull(selector)\n}\n\n@Deprecated(`Use minByOrNull instead.`),
ReplaceWith(`this.minByOrNull(selector)\n`)n@DeprecatedSinceKotlin(warningSince = `1.4`, errorSince =
`1.5`, hiddenSince = `1.6`)npublic inline fun <R : Comparable<R>> CharArray.minBy(selector: (Char) -> R):
Char? {n  return minByOrNull(selector)\n}\n\n/**\n * Returns the first element yielding the smallest value of the
given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.minByOrNull\n * \n@SinceKotlin(`1.4`)npublic inline fun <T, R :
Comparable<R>> Array<out T>.minByOrNull(selector: (T) -> R): T? {n  if (isEmpty()) return null\n  var
minElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return minElem\n  var minValue =
selector(minElem)\n  for (i in 1..lastIndex) {n    val e = this[i]\n    val v = selector(e)\n    if (minValue > v)
{n      minElem = e\n      minValue = v\n    }\n  }\n  return minElem\n}\n\n/**\n * Returns the first
element yielding the smallest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.minByOrNull\n * \n@SinceKotlin(`1.4`)npublic inline fun <R :
Comparable<R>> ByteArray.minByOrNull(selector: (Byte) -> R): Byte? {n  if (isEmpty()) return null\n  var
minElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return minElem\n  var minValue =
selector(minElem)\n  for (i in 1..lastIndex) {n    val e = this[i]\n    val v = selector(e)\n    if (minValue > v)
{n      minElem = e\n      minValue = v\n    }\n  }\n  return minElem\n}\n\n/**\n * Returns the first
element yielding the smallest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.minByOrNull\n * \n@SinceKotlin(`1.4`)npublic inline fun <R :
Comparable<R>> ShortArray.minByOrNull(selector: (Short) -> R): Short? {n  if (isEmpty()) return null\n  var

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minElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue =
selector(minElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v)
{\n            minElem = e\n            minValue = v\n        }\n    }\n    return minElem\n}\n\n/**\n * Returns the first
element yielding the smallest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.minByOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun <R :
Comparable<R>> IntArray.minByOrNull(selector: (Int) -> R): Int? {\n    if (isEmpty()) return null\n    var minElem
= this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue =
selector(minElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v)
{\n            minElem = e\n            minValue = v\n        }\n    }\n    return minElem\n}\n\n/**\n * Returns the first
element yielding the smallest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.minByOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun <R :
Comparable<R>> LongArray.minByOrNull(selector: (Long) -> R): Long? {\n    if (isEmpty()) return null\n    var
minElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue =
selector(minElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v)
{\n            minElem = e\n            minValue = v\n        }\n    }\n    return minElem\n}\n\n/**\n * Returns the first
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samples.collections.Collections.Aggregates.minByOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun <R :
Comparable<R>> FloatArray.minByOrNull(selector: (Float) -> R): Float? {\n    if (isEmpty()) return null\n    var
minElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue =
selector(minElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v)
{\n            minElem = e\n            minValue = v\n        }\n    }\n    return minElem\n}\n\n/**\n * Returns the first
element yielding the smallest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.minByOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun <R :
Comparable<R>> DoubleArray.minByOrNull(selector: (Double) -> R): Double? {\n    if (isEmpty()) return null\n
var minElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue =
selector(minElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v)
{\n            minElem = e\n            minValue = v\n        }\n    }\n    return minElem\n}\n\n/**\n * Returns the first
element yielding the smallest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.minByOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun <R :
Comparable<R>> BooleanArray.minByOrNull(selector: (Boolean) -> R): Boolean? {\n    if (isEmpty()) return
null\n    var minElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var
minValue = selector(minElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if
(minValue > v) {\n            minElem = e\n            minValue = v\n        }\n    }\n    return minElem\n}\n\n/**\n * Returns the first
element yielding the smallest value of the given function or `null` if there are no elements.\n * \n * \n * @sample
samples.collections.Collections.Aggregates.minByOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun
<R : Comparable<R>> CharArray.minByOrNull(selector: (Char) -> R): Char? {\n    if (isEmpty()) return null\n
var minElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue =
selector(minElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v)
{\n            minElem = e\n            minValue = v\n        }\n    }\n    return minElem\n}\n\n/**\n * Returns the smallest
value among all values produced by [selector] function\n * applied to each element in the array.\n * \n * If any of
values produced by [selector] function is `NaN`, the returned result is `NaN`.\n * \n * @throws
NoSuchElementException if the array is empty.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.minOf(selector: (T) ->
Double): Double {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for
(i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is

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`NaN`.n * .n * @throws NoSuchElementException if the array is empty.n
*/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolution
ByLambdaReturnTypen@kotlin.internal.InlineOnlynpublic inline fun ByteArray.minOf(selector: (Byte) ->
Double): Double {n if (isEmpty()) throw NoSuchElementException()n var minValue = selector(this[0])n for
(i in 1..lastIndex) {n val v = selector(this[i])n minValue = minOf(minValue, v)n }n return
minValue.n}n/n/**n * Returns the smallest value among all values produced by [selector] functionn * applied to
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*/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolution
ByLambdaReturnTypen@kotlin.internal.InlineOnlynpublic inline fun ShortArray.minOf(selector: (Short) ->
Double): Double {n if (isEmpty()) throw NoSuchElementException()n var minValue = selector(this[0])n for
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*/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolution
ByLambdaReturnTypen@kotlin.internal.InlineOnlynpublic inline fun IntArray.minOf(selector: (Int) -> Double):
Double {n if (isEmpty()) throw NoSuchElementException()n var minValue = selector(this[0])n for (i in
1..lastIndex) {n val v = selector(this[i])n minValue = minOf(minValue, v)n }n return
minValue.n}n/n/**n * Returns the smallest value among all values produced by [selector] functionn * applied to
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*/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolution
ByLambdaReturnTypen@kotlin.internal.InlineOnlynpublic inline fun LongArray.minOf(selector: (Long) ->
Double): Double {n if (isEmpty()) throw NoSuchElementException()n var minValue = selector(this[0])n for
(i in 1..lastIndex) {n val v = selector(this[i])n minValue = minOf(minValue, v)n }n return
minValue.n}n/n/**n * Returns the smallest value among all values produced by [selector] functionn * applied to
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`NaN`.n * .n * @throws NoSuchElementException if the array is empty.n
*/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolution
ByLambdaReturnTypen@kotlin.internal.InlineOnlynpublic inline fun FloatArray.minOf(selector: (Float) ->
Double): Double {n if (isEmpty()) throw NoSuchElementException()n var minValue = selector(this[0])n for
(i in 1..lastIndex) {n val v = selector(this[i])n minValue = minOf(minValue, v)n }n return
minValue.n}n/n/**n * Returns the smallest value among all values produced by [selector] functionn * applied to
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*/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolution
ByLambdaReturnTypen@kotlin.internal.InlineOnlynpublic inline fun DoubleArray.minOf(selector: (Double) ->
Double): Double {n if (isEmpty()) throw NoSuchElementException()n var minValue = selector(this[0])n for
(i in 1..lastIndex) {n val v = selector(this[i])n minValue = minOf(minValue, v)n }n return
minValue.n}n/n/**n * Returns the smallest value among all values produced by [selector] functionn * applied to
each element in the array.n * .n * If any of values produced by [selector] function is `NaN`, the returned result is
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*/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolution
ByLambdaReturnTypen@kotlin.internal.InlineOnlynpublic inline fun BooleanArray.minOf(selector: (Boolean) ->
Double): Double {n if (isEmpty()) throw NoSuchElementException()n var minValue = selector(this[0])n for
(i in 1..lastIndex) {n val v = selector(this[i])n minValue = minOf(minValue, v)n }n return
minValue.n}n/n/**n * Returns the smallest value among all values produced by [selector] functionn * applied to

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each element in the array.\n \* \n \* If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n \* \n \* @throws NoSuchElementException if the array is empty.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.minOf(selector: (Char) ->
Double): Double {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for
(i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.minOf(selector: (T) ->
Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in
1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.minOf(selector: (Byte) -> Float):
Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in
1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.minOf(selector: (Short) ->
Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in
1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.minOf(selector: (Int) -> Float):
Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in
1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.minOf(selector: (Long) ->
Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in
1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.minOf(selector: (Float) -> Float):
Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in
1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is
`NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n

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minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n *\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.minOf(selector: (Double) -> Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n *\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.minOf(selector: (Boolean) -> Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n *\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.minOf(selector: (Char) -> Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n *\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R : Comparable<R>> Array<out T>.minOf(selector: (T) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (minValue > v) {\n            minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n *\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>> ByteArray.minOf(selector: (Byte) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (minValue > v) {\n            minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n *\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>> ShortArray.minOf(selector: (Short) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (minValue > v) {\n            minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array.\n * \n * @throws NoSuchElementException if the array is empty.\n *\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>> IntArray.minOf(selector: (Int) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (minValue > v) {\n            minValue = v\n        }\n    }\n    return minValue\n}\n
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minValue = v\n    }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced
by [selector] function\n * applied to each element in the array.\n * \n * @throws NoSuchElementException if the
array is empty.\n
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ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>
LongArray.minOf(selector: (Long) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (minValue > v) {\n
minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values
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ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>
FloatArray.minOf(selector: (Float) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (minValue > v) {\n
minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values
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ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>
DoubleArray.minOf(selector: (Double) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (minValue > v) {\n
minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>
BooleanArray.minOf(selector: (Boolean) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (minValue > v) {\n
minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>
CharArray.minOf(selector: (Char) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue
= selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (minValue > v) {\n
minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced
by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of
values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.minOfOrNull(selector:
(T) -> Double): Double? {\n    if (isEmpty()) return null\n    var minValue = selector(this[0])\n    for (i in
1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.minOfOrNull(selector: (Byte) ->
Double): Double? {\n    if (isEmpty()) return null\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n

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    val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.minOfOrNull(selector: (Short) -> Double): Double? {\n    if (isEmpty()) return null\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.minOfOrNull(selector: (Int) -> Double): Double? {\n    if (isEmpty()) return null\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.minOfOrNull(selector: (Long) -> Double): Double? {\n    if (isEmpty()) return null\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.minOfOrNull(selector: (Float) -> Double): Double? {\n    if (isEmpty()) return null\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.minOfOrNull(selector: (Double) -> Double): Double? {\n    if (isEmpty()) return null\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.minOfOrNull(selector: (Boolean) -> Double): Double? {\n    if (isEmpty()) return null\n    var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.minOfOrNull(selector: (Char) ->
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Double): Double? {\n if (isEmpty()) return null\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n minValue = minOf(minValue, v)\n }\n return minValue\n}\n\n/\*\*\n \* Returns the smallest value among all values produced by [selector] function\n \* applied to each element in the array or `null`\n if there are no elements.\n \* \n \* If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n

\*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.minOfOrNull(selector: (T) -> Float): Float? {\n if (isEmpty()) return null\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n minValue = minOf(minValue, v)\n }\n return minValue\n}\n\n/\*\*\n \* Returns the smallest value among all values produced by [selector] function\n \* applied to each element in the array or `null`\n if there are no elements.\n \* \n \* If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n

\*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.minOfOrNull(selector: (Byte) -> Float): Float? {\n if (isEmpty()) return null\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n minValue = minOf(minValue, v)\n }\n return minValue\n}\n\n/\*\*\n \* Returns the smallest value among all values produced by [selector] function\n \* applied to each element in the array or `null`\n if there are no elements.\n \* \n \* If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n

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\*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.minOfOrNull(selector: (Float) -> Float): Float? {\n if (isEmpty()) return null\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n minValue = minOf(minValue, v)\n }\n return minValue\n}\n\n/\*\*\n \* Returns the smallest value among all values produced by [selector] function\n \* applied to each element in the array or `null`\n if there are no elements.\n \* \n \* If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n

\*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution

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ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.minOrNull(selector:
(Double) -> Float): Float? {\n  if (isEmpty()) return null\n  var minValue = selector(this[0])\n  for (i in
1..lastIndex) {\n    val v = selector(this[i])\n    minValue = minOf(minValue, v)\n  }\n  return
minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.minOrNull(selector:
(Boolean) -> Float): Float? {\n  if (isEmpty()) return null\n  var minValue = selector(this[0])\n  for (i in
1..lastIndex) {\n    val v = selector(this[i])\n    minValue = minOf(minValue, v)\n  }\n  return
minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.minOrNull(selector: (Char) ->
Float): Float? {\n  if (isEmpty()) return null\n  var minValue = selector(this[0])\n  for (i in 1..lastIndex) {\n
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T>.minOrNull(selector: (T) -> R): R? {\n  if (isEmpty()) return null\n  var minValue = selector(this[0])\n  for
(i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (minValue > v) {\n      minValue = v\n    }\n  }\n
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ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>
ByteArray.minOrNull(selector: (Byte) -> R): R? {\n  if (isEmpty()) return null\n  var minValue =
selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (minValue > v) {\n
minValue = v\n    }\n  }\n  return minValue\n}\n\n/**\n * Returns the smallest value among all values produced
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ShortArray.minOrNull(selector: (Short) -> R): R? {\n  if (isEmpty()) return null\n  var minValue =
selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (minValue > v) {\n
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IntArray.minOrNull(selector: (Int) -> R): R? {\n  if (isEmpty()) return null\n  var minValue =
selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (minValue > v) {\n
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LongArray.minOrNull(selector: (Long) -> R): R? {\n  if (isEmpty()) return null\n  var minValue =
selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (minValue > v) {\n
minValue = v\n    }\n  }\n  return minValue\n}\n\n/**\n * Returns the smallest value among all values produced

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by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n
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FloatArray.minOrNull(selector: (Float) -> R): R? {\n if (isEmpty()) return null\n var minValue =
selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if (minValue > v) {\n
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DoubleArray.minOrNull(selector: (Double) -> R): R? {\n if (isEmpty()) return null\n var minValue =
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BooleanArray.minOrNull(selector: (Boolean) -> R): R? {\n if (isEmpty()) return null\n var minValue =
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CharArray.minOrNull(selector: (Char) -> R): R? {\n if (isEmpty()) return null\n var minValue =
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[comparator]\n * among all values produced by [selector] function applied to each element in the array.\n * \n *
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T>.minOfWith(comparator: Comparator<in R>, selector: (T) -> R): R {\n if (isEmpty()) throw
NoSuchElementException()\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v =
selector(this[i])\n if (comparator.compare(minValue, v) > 0) {\n minValue = v\n }\n }\n return
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Comparator<in R>, selector: (Byte) -> R): R {\n if (isEmpty()) throw NoSuchElementException()\n var
minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
(comparator.compare(minValue, v) > 0) {\n minValue = v\n }\n }\n return minValue\n}\n\n/**\n * Returns the smallest value according to the provided [comparator]\n * among all values produced by [selector]
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Comparator<in R>, selector: (Short) -> R): R {\n if (isEmpty()) throw NoSuchElementException()\n var
minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
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Comparator<in R>, selector: (Int) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue
= selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (comparator.compare(minValue,
v) > 0) {\n            minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value
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Comparator<in R>, selector: (Long) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if
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Comparator<in R>, selector: (Float) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if
(comparator.compare(minValue, v) > 0) {\n            minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n *
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Comparator<in R>, selector: (Double) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
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Comparator<in R>, selector: (Boolean) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
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Comparator<in R>, selector: (Char) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if
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T>.minOfWithOrNull(comparator: Comparator<in R>, selector: (T) -> R): R? {\n    if (isEmpty()) return null\n
var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if
(comparator.compare(minValue, v) > 0) {\n            minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n *
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ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R>
ByteArray.minOfWithOrNull(comparator: Comparator<in R>, selector: (Byte) -> R): R? {\n if (isEmpty()) return
null\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
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ShortArray.minOfWithOrNull(comparator: Comparator<in R>, selector: (Short) -> R): R? {\n if (isEmpty())
return null\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
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FloatArray.minOfWithOrNull(comparator: Comparator<in R>, selector: (Float) -> R): R? {\n if (isEmpty()) return
null\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
(comparator.compare(minValue, v) > 0) {\n minValue = v\n }\n }\n return minValue\n}\n\n/**\n *
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*\/n@SinceKotlin("1.4")\/n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\/n@OverloadResolutionByLambdaReturnType\/n@kotlin.internal.InlineOnly\/npublic inline fun <R>
CharArray.minOfWithOrNull(comparator: Comparator<in R>, selector: (Char) -> R): R? {\/n if (isEmpty()) return null\/n var minValue = selector(this[0])\/n for (i in 1..lastIndex) {\/n val v = selector(this[i])\/n if (comparator.compare(minValue, v) > 0) {\/n minValue = v\/n }\/n }\/n return minValue\/n}\/n\/n**\/n * Returns the smallest element or `null` if there are no elements.\/n *\/n * If any of elements is `NaN` returns `NaN`.\/n
*\/n@SinceKotlin("1.4")\/npublic fun Array<out Double>.minOrNull(): Double? {\/n if (isEmpty()) return null\/n var min = this[0]\/n for (i in 1..lastIndex) {\/n val e = this[i]\/n min = minOf(min, e)\/n }\/n return min\/n}\/n\/n**\/n * Returns the smallest element or `null` if there are no elements.\/n *\/n * If any of elements is `NaN` returns `NaN`.\/n
*\/n@SinceKotlin("1.4")\/npublic fun Array<out Float>.minOrNull(): Float? {\/n if (isEmpty()) return null\/n var min = this[0]\/n for (i in 1..lastIndex) {\/n val e = this[i]\/n min = minOf(min, e)\/n }\/n return min\/n}\/n\/n**\/n * Returns the smallest element or `null` if there are no elements.\/n
*\/n@SinceKotlin("1.4")\/npublic fun <T : Comparable<T>> Array<out T>.minOrNull(): T? {\/n if (isEmpty()) return null\/n var min = this[0]\/n for (i in 1..lastIndex) {\/n val e = this[i]\/n if (min > e) min = e\/n }\/n return min\/n}\/n\/n**\/n * Returns the smallest element or `null` if there are no elements.\/n
*\/n@SinceKotlin("1.4")\/npublic fun ByteArray.minOrNull(): Byte? {\/n if (isEmpty()) return null\/n var min = this[0]\/n for (i in 1..lastIndex) {\/n val e = this[i]\/n if (min > e) min = e\/n }\/n return min\/n}\/n\/n**\/n * Returns the smallest element or `null` if there are no elements.\/n
*\/n@SinceKotlin("1.4")\/npublic fun ShortArray.minOrNull(): Short? {\/n if (isEmpty()) return null\/n var min = this[0]\/n for (i in 1..lastIndex) {\/n val e = this[i]\/n if (min > e) min = e\/n }\/n return min\/n}\/n\/n**\/n * Returns the smallest element or `null` if there are no elements.\/n
*\/n@SinceKotlin("1.4")\/npublic fun IntArray.minOrNull(): Int? {\/n if (isEmpty()) return null\/n var min = this[0]\/n for (i in 1..lastIndex) {\/n val e = this[i]\/n if (min > e) min = e\/n }\/n return min\/n}\/n\/n**\/n * Returns the smallest element or `null` if there are no elements.\/n
*\/n@SinceKotlin("1.4")\/npublic fun LongArray.minOrNull(): Long? {\/n if (isEmpty()) return null\/n var min = this[0]\/n for (i in 1..lastIndex) {\/n val e = this[i]\/n if (min > e) min = e\/n }\/n return min\/n}\/n\/n**\/n * Returns the smallest element or `null` if there are no elements.\/n
*\/n@SinceKotlin("1.4")\/npublic fun FloatArray.minOrNull(): Float? {\/n if (isEmpty()) return null\/n var min = this[0]\/n for (i in 1..lastIndex) {\/n val e = this[i]\/n min = minOf(min, e)\/n }\/n return min\/n}\/n\/n**\/n * Returns the smallest element or `null` if there are no elements.\/n
*\/n@SinceKotlin("1.4")\/npublic fun DoubleArray.minOrNull(): Double? {\/n if (isEmpty()) return null\/n var min = this[0]\/n for (i in 1..lastIndex) {\/n val e = this[i]\/n min = minOf(min, e)\/n }\/n return min\/n}\/n\/n**\/n * Returns the smallest element or `null` if there are no elements.\/n
*\/n@SinceKotlin("1.4")\/npublic fun CharArray.minOrNull(): Char? {\/n if (isEmpty()) return null\/n var min = this[0]\/n for (i in 1..lastIndex) {\/n val e = this[i]\/n if (min > e) min = e\/n }\/n return min\/n}\/n\/n@Deprecated("Use minWithOrNull instead.", ReplaceWith("this.minWithOrNull(comparator)"))\/n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\/npublic fun <T> Array<out T>.minWith(comparator: Comparator<in T>): T? {\/n return minWithOrNull(comparator)\/n}\/n\/n@Deprecated("Use minWithOrNull instead.", ReplaceWith("this.minWithOrNull(comparator)"))\/n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\/npublic fun ByteArray.minWith(comparator: Comparator<in Byte>): Byte? {\/n return minWithOrNull(comparator)\/n}\/n\/n@Deprecated("Use minWithOrNull instead.", ReplaceWith("this.minWithOrNull(comparator)"))\/n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\/npublic fun ShortArray.minWith(comparator: Comparator<in Short>): Short? {\/n return minWithOrNull(comparator)\/n}\/n\/n@Deprecated("Use minWithOrNull instead.", ReplaceWith("this.minWithOrNull(comparator)"))\/n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\/npublic fun IntArray.minWith(comparator: Comparator<in Int>): Int? {\/n return

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minWithOrNull(comparator)\n}\n\n@Deprecated("Use minWithOrNull instead.",
ReplaceWith("this.minWithOrNull(comparator)\n"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")\npublic fun LongArray.minWith(comparator: Comparator<in Long>): Long? {\n
return minWithOrNull(comparator)\n}\n\n@Deprecated("Use minWithOrNull instead.",
ReplaceWith("this.minWithOrNull(comparator)\n"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")\npublic fun FloatArray.minWith(comparator: Comparator<in Float>): Float? {\n
return minWithOrNull(comparator)\n}\n\n@Deprecated("Use minWithOrNull instead.",
ReplaceWith("this.minWithOrNull(comparator)\n"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")\npublic fun DoubleArray.minWith(comparator: Comparator<in Double>): Double?
{\n return minWithOrNull(comparator)\n}\n\n@Deprecated("Use minWithOrNull instead.",
ReplaceWith("this.minWithOrNull(comparator)\n"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")\npublic fun BooleanArray.minWith(comparator: Comparator<in Boolean>):
Boolean? {\n return minWithOrNull(comparator)\n}\n\n@Deprecated("Use minWithOrNull instead.",
ReplaceWith("this.minWithOrNull(comparator)\n"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")\npublic fun CharArray.minWith(comparator: Comparator<in Char>): Char? {\n
return minWithOrNull(comparator)\n}\n\n/**\n * Returns the first element having the smallest value according to
the provided [comparator] or `null` if there are no elements.\n * \n *\n *\n @SinceKotlin("1.4")\n public fun <T> Array<out
T>.minWithOrNull(comparator: Comparator<in T>): T? {\n if (isEmpty()) return null\n var min = this[0]\n for
(i in 1..lastIndex) {\n val e = this[i]\n if (comparator.compare(min, e) > 0) min = e\n }\n return
min\n}\n\n/**\n * Returns the first element having the smallest value according to the provided [comparator] or
`null` if there are no elements.\n * \n *\n *\n @SinceKotlin("1.4")\n public fun ByteArray.minWithOrNull(comparator:
Comparator<in Byte>): Byte? {\n if (isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n
val e = this[i]\n if (comparator.compare(min, e) > 0) min = e\n }\n return min\n}\n\n/**\n * Returns the first
element having the smallest value according to the provided [comparator] or `null` if there are no elements.\n
\n *\n *\n @SinceKotlin("1.4")\n public fun ShortArray.minWithOrNull(comparator: Comparator<in Short>): Short? {\n
if (isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n if
(comparator.compare(min, e) > 0) min = e\n }\n return min\n}\n\n/**\n * Returns the first element having the
smallest value according to the provided [comparator] or `null` if there are no elements.\n
\n *\n *\n @SinceKotlin("1.4")\n public fun IntArray.minWithOrNull(comparator: Comparator<in Int>): Int? {\n if
(isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n if
(comparator.compare(min, e) > 0) min = e\n }\n return min\n}\n\n/**\n * Returns the first element having the
smallest value according to the provided [comparator] or `null` if there are no elements.\n
\n *\n *\n @SinceKotlin("1.4")\n public fun LongArray.minWithOrNull(comparator: Comparator<in Long>): Long? {\n
if (isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n if
(comparator.compare(min, e) > 0) min = e\n }\n return min\n}\n\n/**\n * Returns the first element having the
smallest value according to the provided [comparator] or `null` if there are no elements.\n
\n *\n *\n @SinceKotlin("1.4")\n public fun FloatArray.minWithOrNull(comparator: Comparator<in Float>): Float? {\n
if (isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n if
(comparator.compare(min, e) > 0) min = e\n }\n return min\n}\n\n/**\n * Returns the first element having the
smallest value according to the provided [comparator] or `null` if there are no elements.\n
\n *\n *\n @SinceKotlin("1.4")\n public fun DoubleArray.minWithOrNull(comparator: Comparator<in Double>):
Double? {\n if (isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n
if (comparator.compare(min, e) > 0) min = e\n }\n return min\n}\n\n/**\n * Returns the first element having the
smallest value according to the provided [comparator] or `null` if there are no elements.\n
\n *\n *\n @SinceKotlin("1.4")\n public fun BooleanArray.minWithOrNull(comparator: Comparator<in Boolean>):
Boolean? {\n if (isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n
if (comparator.compare(min, e) > 0) min = e\n }\n return min\n}\n\n/**\n * Returns the first element having the
smallest value according to the provided [comparator] or `null` if there are no elements.\n

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*^@SinceKotlin("1.4")\npublic fun CharArray.minWithOrNull(comparator: Comparator<in Char>): Char? {\n
if (isEmpty()) return null\n  var min = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if
(comparator.compare(min, e) > 0) min = e\n  }\n  return min\n}\n\n/**\n * Returns `true` if the array has no
elements.\n * \n * @sample samples.collections.Collections.Aggregates.none\n */\npublic fun <T> Array<out
T>.none(): Boolean {\n  return isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n *
@sample samples.collections.Collections.Aggregates.none\n */\npublic fun ByteArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic fun ShortArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic fun IntArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic fun LongArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic fun FloatArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic fun DoubleArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic fun BooleanArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic fun CharArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic inline fun <T> Array<out
T>.none(predicate: (T) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic inline fun ByteArray.none(predicate:
(Byte) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic inline fun ShortArray.none(predicate:
(Short) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic inline fun IntArray.none(predicate: (Int)
-> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return true\n}\n\n/**\n *
Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic inline fun LongArray.none(predicate:
(Long) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic inline fun FloatArray.none(predicate:
(Float) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic inline fun DoubleArray.none(predicate:
(Double) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic inline fun
BooleanArray.none(predicate: (Boolean) -> Boolean): Boolean {\n  for (element in this) if (predicate(element))
return false\n  return true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic inline fun CharArray.none(predicate:
(Char) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Performs the given [action] on each element and returns the array itself afterwards.\n

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*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.onEach(action: (T) ->
Unit): Array<out T> {\n    return apply { for (element in this) action(element) }\n}\n\n/**\n * Performs the given
[action] on each element and returns the array itself afterwards.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.onEach(action: (Byte) ->
Unit): ByteArray {\n    return apply { for (element in this) action(element) }\n}\n\n/**\n * Performs the given
[action] on each element and returns the array itself afterwards.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.onEach(action: (Short) ->
Unit): ShortArray {\n    return apply { for (element in this) action(element) }\n}\n\n/**\n * Performs the given
[action] on each element and returns the array itself afterwards.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.onEach(action: (Int) -> Unit):
IntArray {\n    return apply { for (element in this) action(element) }\n}\n\n/**\n * Performs the given [action] on
each element and returns the array itself afterwards.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.onEach(action: (Long) ->
Unit): LongArray {\n    return apply { for (element in this) action(element) }\n}\n\n/**\n * Performs the given
[action] on each element and returns the array itself afterwards.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.onEach(action: (Float) ->
Unit): FloatArray {\n    return apply { for (element in this) action(element) }\n}\n\n/**\n * Performs the given
[action] on each element and returns the array itself afterwards.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.onEach(action: (Double) ->
Unit): DoubleArray {\n    return apply { for (element in this) action(element) }\n}\n\n/**\n * Performs the given
[action] on each element and returns the array itself afterwards.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.onEach(action: (Boolean)
-> Unit): BooleanArray {\n    return apply { for (element in this) action(element) }\n}\n\n/**\n * Performs the given
[action] on each element and returns the array itself afterwards.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.onEach(action: (Char) ->
Unit): CharArray {\n    return apply { for (element in this) action(element) }\n}\n\n/**\n * Performs the given
[action] on each element, providing sequential index with the element,\n * and returns the array itself afterwards.\n *
@param [action] function that takes the index of an element and the element itself\n * and performs the action on
the element.\n *\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out
T>.onEachIndexed(action: (index: Int, T) -> Unit): Array<out
T> {\n    return apply { forEachIndexed(action) }\n}\n\n/**\n * Performs the given [action] on each element, providing sequential index with the element,\n *
and returns the array itself afterwards.\n * @param [action] function that takes the index of an element and the element
itself\n * and performs the action on the element.\n *\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic
inline fun ByteArray.onEachIndexed(action: (index: Int, Byte) -> Unit): ByteArray {\n    return apply {
forEachIndexed(action) }\n}\n\n/**\n * Performs the given [action] on each element, providing sequential index
with the element,\n * and returns the array itself afterwards.\n * @param [action] function that takes the index of an
element and the element itself\n * and performs the action on the element.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.onEachIndexed(action:
(index: Int, Short) -> Unit): ShortArray {\n    return apply { forEachIndexed(action) }\n}\n\n/**\n * Performs the
given [action] on each element, providing sequential index with the element,\n * and returns the array itself
afterwards.\n * @param [action] function that takes the index of an element and the element itself\n * and performs
the action on the element.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.onEachIndexed(action: (index: Int, Int) -> Unit): IntArray {\n    return apply {
forEachIndexed(action) }\n}\n\n/**\n * Performs the given [action] on each element, providing sequential index with the element,\n *
and returns the array itself afterwards.\n * @param [action] function that takes the index of an element and the element
itself\n * and performs the action on the element.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.onEachIndexed(action: (index: Int, Long) -> Unit): LongArray {\n    return apply {
forEachIndexed(action) }\n}\n\n/**\n * Performs the given [action] on each element, providing sequential index

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with the element, \n \* and returns the array itself afterwards. \n \* @param [action] function that takes the index of an element and the element itself \n \* and performs the action on the element. \n

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*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.onEachIndexed(action:
(index: Int, Float) -> Unit): FloatArray {\n    return apply { forEachIndexed(action) }\n}\n\n/**\n * Performs the
given [action] on each element, providing sequential index with the element, \n * and returns the array itself
afterwards. \n * @param [action] function that takes the index of an element and the element itself \n * and performs
the action on the element. \n */\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun
DoubleArray.onEachIndexed(action: (index: Int, Double) -> Unit): DoubleArray {\n    return apply {
forEachIndexed(action) }\n}\n\n/**\n * Performs the given [action] on each element, providing sequential index
with the element, \n * and returns the array itself afterwards. \n * @param [action] function that takes the index of an
element and the element itself \n * and performs the action on the element. \n
*/\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.onEachIndexed(action:
(index: Int, Boolean) -> Unit): BooleanArray {\n    return apply { forEachIndexed(action) }\n}\n\n/**\n * Performs
the given [action] on each element, providing sequential index with the element, \n * and returns the array itself
afterwards. \n * @param [action] function that takes the index of an element and the element itself \n * and performs
the action on the element. \n */\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun
CharArray.onEachIndexed(action: (index: Int, Char) -> Unit): CharArray {\n    return apply {
forEachIndexed(action) }\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation]
from left to right \n * to current accumulator value and each element. \n * \n * Throws an exception if this array is
empty. If the array can be empty in an expected way, \n * please use [reduceOrNull] instead. It returns `null` when its
receiver is empty. \n * \n * @param [operation] function that takes current accumulator value and an element, \n *
and calculates the next accumulator value. \n * \n * @sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun <S, T : S> Array<out T>.reduce(operation: (acc: S, T) -> S): S {\n    if (isEmpty())\n        throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator: S = this[0]\n    for (index
in 1..lastIndex) {\n        accumulator = operation(accumulator, this[index])\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right \n * to current
accumulator value and each element. \n * \n * Throws an exception if this array is empty. If the array can be empty
in an expected way, \n * please use [reduceOrNull] instead. It returns `null` when its receiver is empty. \n * \n *
@param [operation] function that takes current accumulator value and an element, \n * and calculates the next
accumulator value. \n * \n * @sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun
ByteArray.reduce(operation: (acc: Byte, Byte) -> Byte): Byte {\n    if (isEmpty())\n        throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in
1..lastIndex) {\n        accumulator = operation(accumulator, this[index])\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right \n * to current
accumulator value and each element. \n * \n * Throws an exception if this array is empty. If the array can be empty
in an expected way, \n * please use [reduceOrNull] instead. It returns `null` when its receiver is empty. \n * \n *
@param [operation] function that takes current accumulator value and an element, \n * and calculates the next
accumulator value. \n * \n * @sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun
ShortArray.reduce(operation: (acc: Short, Short) -> Short): Short {\n    if (isEmpty())\n        throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in
1..lastIndex) {\n        accumulator = operation(accumulator, this[index])\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right \n * to current
accumulator value and each element. \n * \n * Throws an exception if this array is empty. If the array can be empty
in an expected way, \n * please use [reduceOrNull] instead. It returns `null` when its receiver is empty. \n * \n *
@param [operation] function that takes current accumulator value and an element, \n * and calculates the next
accumulator value. \n * \n * @sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun
IntArray.reduce(operation: (acc: Int, Int) -> Int): Int {\n    if (isEmpty())\n        throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in

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1..lastIndex) {\n    accumulator = operation(accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current accumulator value and each element.\n * \n * Throws an exception if this array is empty. If the array can be empty\n * in an expected way,\n * please use [reduceOrNull] instead. It returns `null` when its receiver is empty.\n * \n * @param [operation] function that takes current accumulator value and an element,\n * and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun\nLongArray.reduce(operation: (acc: Long, Long) -> Long): Long {\n  if (isEmpty())\n    throw\n    UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in\n    1..lastIndex) {\n    accumulator = operation(accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current accumulator value and each element.\n * \n * Throws an exception if this array is empty. If the array can be empty\n * in an expected way,\n * please use [reduceOrNull] instead. It returns `null` when its receiver is empty.\n * \n * @param [operation] function that takes current accumulator value and an element,\n * and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun\nFloatArray.reduce(operation: (acc: Float, Float) -> Float): Float {\n  if (isEmpty())\n    throw\n    UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in\n    1..lastIndex) {\n    accumulator = operation(accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current accumulator value and each element.\n * \n * Throws an exception if this array is empty. If the array can be empty\n * in an expected way,\n * please use [reduceOrNull] instead. It returns `null` when its receiver is empty.\n * \n * @param [operation] function that takes current accumulator value and an element,\n * and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun\nDoubleArray.reduce(operation: (acc: Double, Double) -> Double): Double {\n  if (isEmpty())\n    throw\n    UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in\n    1..lastIndex) {\n    accumulator = operation(accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current accumulator value and each element.\n * \n * Throws an exception if this array is empty. If the array can be empty\n * in an expected way,\n * please use [reduceOrNull] instead. It returns `null` when its receiver is empty.\n * \n * @param [operation] function that takes current accumulator value and an element,\n * and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun\nBooleanArray.reduce(operation: (acc: Boolean, Boolean) -> Boolean): Boolean {\n  if (isEmpty())\n    throw\n    UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in\n    1..lastIndex) {\n    accumulator = operation(accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current accumulator value and each element with its index in the original array.\n * \n * Throws an exception if this array is empty. If the array can be empty in an expected way,\n * please use [reduceIndexedOrNull] instead. It returns `null` when its receiver is empty.\n * \n * @param [operation] function that takes the index of an element, current accumulator value and the element itself,\n * and calculates the next accumulator value.\n * \n * @sample\n * samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun <S, T : S> Array<out\n * T>.reduceIndexed(operation: (index: Int, acc: S, T) -> S): S {\n  if (isEmpty())\n    throw

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UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator: S = this[0]\n  for (index
in 1..lastIndex) {\n    accumulator = operation(index, accumulator, this[index])\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
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element, current accumulator value and the element itself,\n * and calculates the next accumulator value.\n * \n *
@sample samples.collections.Collections.Aggregates.reduce\n *\npublic inline fun
ByteArray.reduceIndexed(operation: (index: Int, acc: Byte, Byte) -> Byte): Byte {\n  if (isEmpty())\n    throw
UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in
1..lastIndex) {\n    accumulator = operation(index, accumulator, this[index])\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
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@sample samples.collections.Collections.Aggregates.reduce\n *\npublic inline fun
ShortArray.reduceIndexed(operation: (index: Int, acc: Short, Short) -> Short): Short {\n  if (isEmpty())\n    throw
UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in
1..lastIndex) {\n    accumulator = operation(index, accumulator, this[index])\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
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element, current accumulator value and the element itself,\n * and calculates the next accumulator value.\n * \n *
@sample samples.collections.Collections.Aggregates.reduce\n *\npublic inline fun
IntArray.reduceIndexed(operation: (index: Int, acc: Int, Int) -> Int): Int {\n  if (isEmpty())\n    throw
UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in
1..lastIndex) {\n    accumulator = operation(index, accumulator, this[index])\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
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@sample samples.collections.Collections.Aggregates.reduce\n *\npublic inline fun
LongArray.reduceIndexed(operation: (index: Int, acc: Long, Long) -> Long): Long {\n  if (isEmpty())\n    throw
UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in
1..lastIndex) {\n    accumulator = operation(index, accumulator, this[index])\n  }\n  return
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@sample samples.collections.Collections.Aggregates.reduce\n *\npublic inline fun
FloatArray.reduceIndexed(operation: (index: Int, acc: Float, Float) -> Float): Float {\n  if (isEmpty())\n    throw
UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in
1..lastIndex) {\n    accumulator = operation(index, accumulator, this[index])\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to

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right\n * to current accumulator value and each element with its index in the original array.\n * \n * Throws an
exception if this array is empty. If the array can be empty in an expected way,\n * please use [reduceIndexedOrNull]
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@sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun
DoubleArray.reduceIndexed(operation: (index: Int, acc: Double, Double) -> Double): Double {\n if (isEmpty())\n
throw UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator = this[0]\n for
(index in 1..lastIndex) {\n accumulator = operation(index, accumulator, this[index])\n }\n return
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BooleanArray.reduceIndexed(operation: (index: Int, acc: Boolean, Boolean) -> Boolean): Boolean {\n if
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accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun
CharArray.reduceIndexed(operation: (index: Int, acc: Char, Char) -> Char): Char {\n if (isEmpty())\n throw
UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator = this[0]\n for (index in
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samples.collections.Collections.Aggregates.reduceOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun <S, T : S>
Array<out T>.reduceIndexedOrNull(operation: (index: Int, acc: S, T) -> S): S? {\n if (isEmpty())\n return
null\n var accumulator: S = this[0]\n for (index in 1..lastIndex) {\n accumulator = operation(index,
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*/\n@SinceKotlin("1.4")\npublic inline fun ByteArray.reduceIndexedOrNull(operation: (index: Int, acc: Byte,
Byte) -> Byte): Byte? {\n if (isEmpty())\n return null\n var accumulator = this[0]\n for (index in
1..lastIndex) {\n accumulator = operation(index, accumulator, this[index])\n }\n return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
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samples.collections.Collections.Aggregates.reduceOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun
ShortArray.reduceIndexedOrNull(operation: (index: Int, acc: Short, Short) -> Short): Short? {\n if (isEmpty())\n
return null\n var accumulator = this[0]\n for (index in 1..lastIndex) {\n accumulator = operation(index,

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accumulator, this[index])\n } \n return accumulator\n}\n\n/**\n * Accumulates value starting with the first
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Int): Int? {\n if (isEmpty())\n return null\n var accumulator = this[0]\n for (index in 1..lastIndex) {\n
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Long) -> Long): Long? {\n if (isEmpty())\n return null\n var accumulator = this[0]\n for (index in
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Float): Float? {\n if (isEmpty())\n return null\n var accumulator = this[0]\n for (index in 1..lastIndex) {\n
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*\n@SinceKotlin("1.4")\npublic inline fun DoubleArray.reduceIndexedOrNull(operation: (index: Int, acc:
Double, Double) -> Double): Double? {\n if (isEmpty())\n return null\n var accumulator = this[0]\n for
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@param [operation] function that takes current accumulator value and an element,\n * and calculates the next

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accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceOrNull\n
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Array<out T>.reduceOrNull(operation: (acc: S, T) -> S): S? {\n if (isEmpty())\n return null\n var
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LongArray.reduceOrNull(operation: (acc: Long, Long) -> Long): Long? {\n if (isEmpty())\n return null\n
var accumulator = this[0]\n for (index in 1..lastIndex) {\n accumulator = operation(accumulator, this[index])\n
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FloatArray.reduceOrNull(operation: (acc: Float, Float) -> Float): Float? {\n if (isEmpty())\n return null\n var
accumulator = this[0]\n for (index in 1..lastIndex) {\n accumulator = operation(accumulator, this[index])\n
}\n return accumulator}\n\n/**\n * Accumulates value starting with the first element and applying [operation]
from left to right\n * to current accumulator value and each element.\n * \n * Returns `null` if the array is empty.\n *
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*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun
DoubleArray.reduceOrNull(operation: (acc: Double, Double) -> Double): Double? {\n if (isEmpty())\n return
null\n var accumulator = this[0]\n for (index in 1..lastIndex) {\n accumulator = operation(accumulator,
this[index])\n }\n return accumulator}\n\n/**\n * Accumulates value starting with the first element and
applying [operation] from left to right\n * to current accumulator value and each element.\n * \n * Returns `null` if

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the array is empty.\n \* \n \* @param [operation] function that takes current accumulator value and an element,\n \* and calculates the next accumulator value.\n \* \n \* @sample

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samples.collections.Collections.Aggregates.reduceOrNull\n
*/\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun
BooleanArray.reduceOrNull(operation: (acc: Boolean, Boolean) -> Boolean): Boolean? {\n if (isEmpty())\n return null\n var accumulator = this[0]\n for (index in 1..lastIndex) {\n accumulator =
operation(accumulator, this[index])\n }\n return accumulator\n}\n\n/**\n * Accumulates value starting with the
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*/\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun
CharArray.reduceOrNull(operation: (acc: Char, Char) -> Char): Char? {\n if (isEmpty())\n return null\n var
accumulator = this[0]\n for (index in 1..lastIndex) {\n accumulator = operation(accumulator, this[index])\n
}\n return accumulator\n}\n\n/**\n * Accumulates value starting with the last element and applying [operation]
from right to left\n * to each element and current accumulator value.\n * \n * Throws an exception if this array is
empty. If the array can be empty in an expected way,\n * please use [reduceRightOrNull] instead. It returns `null`
when its receiver is empty.\n * \n * @param [operation] function that takes an element and current accumulator
value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRight\n
*/\npublic inline fun <S, T : S> Array<out
T>.reduceRight(operation: (T, acc: S) -> S): S {\n var index = lastIndex\n if (index < 0) throw
UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator: S = get(index--)\n while
(index >= 0) {\n accumulator = operation(get(index--), accumulator)\n }\n return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element and
current accumulator value.\n * \n * Throws an exception if this array is empty. If the array can be empty in an
expected way,\n * please use [reduceRightOrNull] instead. It returns `null` when its receiver is empty.\n * \n *
@param [operation] function that takes an element and current accumulator value,\n * and calculates the next
accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceRight\n
*/\npublic inline
fun ByteArray.reduceRight(operation: (Byte, acc: Byte) -> Byte): Byte {\n var index = lastIndex\n if (index < 0)
throw UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator = get(index--)\n while
(index >= 0) {\n accumulator = operation(get(index--), accumulator)\n }\n return
accumulator\n}\n\n/**\n * Accumulates value starting with the last element and applying [operation] from right to
left\n * to each element and current accumulator value.\n * \n * Throws an exception if this array is empty. If the
array can be empty in an expected way,\n * please use [reduceRightOrNull] instead. It returns `null` when its
receiver is empty.\n * \n * @param [operation] function that takes an element and current accumulator value,\n *
and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRight\n
*/\npublic inline fun ShortArray.reduceRight(operation:
(Short, acc: Short) -> Short): Short {\n var index = lastIndex\n if (index < 0) throw
UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator = get(index--)\n while
(index >= 0) {\n accumulator = operation(get(index--), accumulator)\n }\n return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element and
current accumulator value.\n * \n * Throws an exception if this array is empty. If the array can be empty in an
expected way,\n * please use [reduceRightOrNull] instead. It returns `null` when its receiver is empty.\n * \n *
@param [operation] function that takes an element and current accumulator value,\n * and calculates the next
accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceRight\n
*/\npublic inline
fun IntArray.reduceRight(operation: (Int, acc: Int) -> Int): Int {\n var index = lastIndex\n if (index < 0)
throw UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator = get(index--)\n while
(index >= 0) {\n accumulator = operation(get(index--), accumulator)\n }\n return accumulator\n}\n\n/**\n *

```

Accumulates value starting with the last element and applying [operation] from right to left to each element and current accumulator value. Throws an exception if this array is empty. If the array can be empty in an expected way, please use [reduceRightOrNull] instead. It returns `null` when its receiver is empty.

@param [operation] function that takes an element and current accumulator value and calculates the next accumulator value.

@sample samples.collections.Collections.Aggregates.reduceRight

```

public inline fun LongArray.reduceRight(operation: (Long, acc: Long) -> Long): Long {
    var index = lastIndex
    if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = get(index--)
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with the last element and applying [operation] from right to left to each element and current accumulator value. Throws an exception if this array is empty. If the array can be empty in an expected way, please use [reduceRightOrNull] instead. It returns `null` when its receiver is empty.

@param [operation] function that takes an element and current accumulator value and calculates the next accumulator value.

@sample samples.collections.Collections.Aggregates.reduceRight

```

public inline fun FloatArray.reduceRight(operation: (Float, acc: Float) -> Float): Float {
    var index = lastIndex
    if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = get(index--)
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with the last element and applying [operation] from right to left to each element and current accumulator value. Throws an exception if this array is empty. If the array can be empty in an expected way, please use [reduceRightOrNull] instead. It returns `null` when its receiver is empty.

@param [operation] function that takes an element and current accumulator value and calculates the next accumulator value.

@sample samples.collections.Collections.Aggregates.reduceRight

```

public inline fun DoubleArray.reduceRight(operation: (Double, acc: Double) -> Double): Double {
    var index = lastIndex
    if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = get(index--)
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with the last element and applying [operation] from right to left to each element and current accumulator value. Throws an exception if this array is empty. If the array can be empty in an expected way, please use [reduceRightOrNull] instead. It returns `null` when its receiver is empty.

@param [operation] function that takes an element and current accumulator value and calculates the next accumulator value.

@sample samples.collections.Collections.Aggregates.reduceRight

```

public inline fun BooleanArray.reduceRight(operation: (Boolean, acc: Boolean) -> Boolean): Boolean {
    var index = lastIndex
    if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = get(index--)
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with the last element and applying [operation] from right to left to each element and current accumulator value. Throws an exception if this array is empty. If the array can be empty in an expected way, please use [reduceRightOrNull] instead. It returns `null` when its receiver is empty.

@param [operation] function that takes an element and current accumulator value and calculates the next accumulator value.

@sample samples.collections.Collections.Aggregates.reduceRight

```

public inline fun CharArray.reduceRight(operation: (Char, acc: Char) -> Char): Char {
    var index = lastIndex
    if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = get(index--)
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with the last element and applying [operation] from right to left to each element with its index in the original array and current accumulator value. Throws an exception if this array is empty. If the array can be empty in an expected way, please use [reduceRightIndexedOrNull] instead. It returns `null` when its receiver is empty.

@param [operation] function that takes the index of an element, the element itself and current accumulator value and calculates the next accumulator value.

@sample

```

samples.collections.Collections.Aggregates.reduceRight\n *^\npublic inline fun <S, T : S> Array<out
T>.reduceRightIndexed(operation: (index: Int, T, acc: S) -> S): S {\n  var index = lastIndex\n  if (index < 0) throw
UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator: S = get(index--)\n  while
(index >= 0) {\n    accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the last element and applying [operation] from right to
left\n * to each element with its index in the original array and current accumulator value.\n * \n * Throws an
exception if this array is empty. If the array can be empty in an expected way,\n * please use
[reduceRightIndexedOrNull] instead. It returns `null` when its receiver is empty.\n * \n * @param [operation]
function that takes the index of an element, the element itself and current accumulator value,\n * and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceRight\n *^\npublic
inline fun ByteArray.reduceRightIndexed(operation: (index: Int, Byte, acc: Byte) -> Byte): Byte {\n  var index =
lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var
accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last
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samples.collections.Collections.Aggregates.reduceRight\n *^\npublic inline fun
ShortArray.reduceRightIndexed(operation: (index: Int, Short, acc: Short) -> Short): Short {\n  var index =
lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var
accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last
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* @param [operation] function that takes the index of an element, the element itself and current accumulator
value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRight\n *^\npublic inline fun
IntArray.reduceRightIndexed(operation: (index: Int, Int, acc: Int) -> Int): Int {\n  var index = lastIndex\n  if (index
< 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = get(index--)\n
while (index >= 0) {\n    accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the last element and applying [operation] from right to
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next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceRight\n *^\npublic
inline fun LongArray.reduceRightIndexed(operation: (index: Int, Long, acc: Long) -> Long): Long {\n  var index =
lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var
accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last
element and applying [operation] from right to left\n * to each element with its index in the original array and
current accumulator value.\n * \n * Throws an exception if this array is empty. If the array can be empty in an
expected way,\n * please use [reduceRightIndexedOrNull] instead. It returns `null` when its receiver is empty.\n * \n
* @param [operation] function that takes the index of an element, the element itself and current accumulator
value,\n * and calculates the next accumulator value.\n * \n * @sample

```

```

samples.collections.Collections.Aggregates.reduceRight\n *^\npublic inline fun
FloatArray.reduceRightIndexed(operation: (index: Int, Float, acc: Float) -> Float): Float {\n  var index =
lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var
accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last
element and applying [operation] from right to left\n * to each element with its index in the original array and
current accumulator value.\n * \n * Throws an exception if this array is empty. If the array can be empty in an
expected way,\n * please use [reduceRightIndexedOrNull] instead. It returns `null` when its receiver is empty.\n * \n
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value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRight\n *^\npublic inline fun
DoubleArray.reduceRightIndexed(operation: (index: Int, Double, acc: Double) -> Double): Double {\n  var index =
lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var
accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last
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* @param [operation] function that takes the index of an element, the element itself and current accumulator
value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRight\n *^\npublic inline fun
BooleanArray.reduceRightIndexed(operation: (index: Int, Boolean, acc: Boolean) -> Boolean): Boolean {\n  var
index = lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var
accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last
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current accumulator value.\n * \n * Throws an exception if this array is empty. If the array can be empty in an
expected way,\n * please use [reduceRightIndexedOrNull] instead. It returns `null` when its receiver is empty.\n * \n
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value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRight\n *^\npublic inline fun
CharArray.reduceRightIndexed(operation: (index: Int, Char, acc: Char) -> Char): Char {\n  var index = lastIndex\n
if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator =
get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index), accumulator)\n    --index\n
  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last element and applying [operation]
from right to left\n * to each element with its index in the original array and current accumulator value.\n * \n
* Returns `null` if the array is empty.\n * \n * @param [operation] function that takes the index of an element, the
element itself and current accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n *^\n@SinceKotlin("1.4")\npublic inline fun <S,
T : S> Array<out T>.reduceRightIndexedOrNull(operation: (index: Int, T, acc: S) -> S): S? {\n  var index =
lastIndex\n  if (index < 0) return null\n  var accumulator: S = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
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* and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n *^\n@SinceKotlin("1.4")\npublic inline fun
ByteArray.reduceRightIndexedOrNull(operation: (index: Int, Byte, acc: Byte) -> Byte): Byte? {\n  var index =

```

```

lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
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@param [operation] function that takes the index of an element, the element itself and current accumulator value,\n *
and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun
ShortArray.reduceRightIndexedOrNull(operation: (index: Int, Short, acc: Short) -> Short): Short? {\n  var index =
lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
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@param [operation] function that takes the index of an element, the element itself and current accumulator value,\n *
and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun
IntArray.reduceRightIndexedOrNull(operation: (index: Int, Int, acc: Int) -> Int): Int? {\n  var index = lastIndex\n
if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n    accumulator =
operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates
value starting with the last element and applying [operation] from right to left\n * to each element with its index in
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calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun
LongArray.reduceRightIndexedOrNull(operation: (index: Int, Long, acc: Long) -> Long): Long? {\n  var index =
lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element with
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@param [operation] function that takes the index of an element, the element itself and current accumulator value,\n *
and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun
FloatArray.reduceRightIndexedOrNull(operation: (index: Int, Float, acc: Float) -> Float): Float? {\n  var index =
lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element with
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and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun
DoubleArray.reduceRightIndexedOrNull(operation: (index: Int, Double, acc: Double) -> Double): Double? {\n  var
index = lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element with
its index in the original array and current accumulator value.\n * \n * Returns `null` if the array is empty.\n * \n *
@param [operation] function that takes the index of an element, the element itself and current accumulator value,\n *
and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun
BooleanArray.reduceRightIndexedOrNull(operation: (index: Int, Boolean, acc: Boolean) -> Boolean): Boolean? {\n

```

```

var index = lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element with
its index in the original array and current accumulator value.\n * \n * Returns `null` if the array is empty.\n * \n *
@param [operation] function that takes the index of an element, the element itself and current accumulator value,\n
* and calculates the next accumulator value.\n * \n * @sample

```

```

samples.collections.Collections.Aggregates.reduceRightOrNull\n * \n @SinceKotlin("1.4")\n\npublic inline fun
CharArray.reduceRightIndexedOrNull(operation: (index: Int, Char, acc: Char) -> Char): Char? {\n  var index =
lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element and
current accumulator value.\n * \n * Returns `null` if the array is empty.\n * \n * @param [operation] function that
takes an element and current accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample

```

```

samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n\npublic inline fun <S, T : S>
Array<out T>.reduceRightOrNull(operation: (T, acc: S) -> S): S? {\n  var index = lastIndex\n  if (index < 0)
return null\n  var accumulator: S = get(index--)\n  while (index >= 0) {\n    accumulator = operation(get(index--
), accumulator)\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last element and
applying [operation] from right to left\n * to each element and current accumulator value.\n * \n * Returns `null` if
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and calculates the next accumulator value.\n * \n * @sample

```

```

samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n\npublic inline fun
ByteArray.reduceRightOrNull(operation: (Byte, acc: Byte) -> Byte): Byte? {\n  var index = lastIndex\n  if (index
< 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n    accumulator =
operation(get(index--), accumulator)\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the
last element and applying [operation] from right to left\n * to each element and current accumulator value.\n * \n *
Returns `null` if the array is empty.\n * \n * @param [operation] function that takes an element and current
accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample

```

```

samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n\npublic inline fun
ShortArray.reduceRightOrNull(operation: (Short, acc: Short) -> Short): Short? {\n  var index = lastIndex\n  if
(index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n    accumulator =
operation(get(index--), accumulator)\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the
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Returns `null` if the array is empty.\n * \n * @param [operation] function that takes an element and current
accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample

```

```

samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n\npublic inline fun
IntArray.reduceRightOrNull(operation: (Int, acc: Int) -> Int): Int? {\n  var index = lastIndex\n  if (index < 0)
return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(get(index--),
accumulator)\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last element and
applying [operation] from right to left\n * to each element and current accumulator value.\n * \n * Returns `null` if
the array is empty.\n * \n * @param [operation] function that takes an element and current accumulator value,\n *
and calculates the next accumulator value.\n * \n * @sample

```

```

samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n\npublic inline fun
LongArray.reduceRightOrNull(operation: (Long, acc: Long) -> Long): Long? {\n  var index = lastIndex\n  if

```

```

(index < 0) return null\n    var accumulator = get(index--)\n    while (index >= 0) {\n        accumulator =
operation(get(index--), accumulator)\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the
last element and applying [operation] from right to left\n * to each element and current accumulator value.\n * \n *
Returns `null` if the array is empty.\n * \n * @param [operation] function that takes an element and current
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*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun
FloatArray.reduceRightOrNull(operation: (Float, acc: Float) -> Float): Float? {\n    var index = lastIndex\n    if
(index < 0) return null\n    var accumulator = get(index--)\n    while (index >= 0) {\n        accumulator =
operation(get(index--), accumulator)\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the
last element and applying [operation] from right to left\n * to each element and current accumulator value.\n * \n *
Returns `null` if the array is empty.\n * \n * @param [operation] function that takes an element and current
accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun
DoubleArray.reduceRightOrNull(operation: (Double, acc: Double) -> Double): Double? {\n    var index =
lastIndex\n    if (index < 0) return null\n    var accumulator = get(index--)\n    while (index >= 0) {\n
accumulator = operation(get(index--), accumulator)\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value
starting with the last element and applying [operation] from right to left\n * to each element and current accumulator
value.\n * \n * Returns `null` if the array is empty.\n * \n * @param [operation] function that takes an element and
current accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun
BooleanArray.reduceRightOrNull(operation: (Boolean, acc: Boolean) -> Boolean): Boolean? {\n    var index =
lastIndex\n    if (index < 0) return null\n    var accumulator = get(index--)\n    while (index >= 0) {\n
accumulator = operation(get(index--), accumulator)\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value
starting with the last element and applying [operation] from right to left\n * to each element and current accumulator
value.\n * \n * Returns `null` if the array is empty.\n * \n * @param [operation] function that takes an element and
current accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun
CharArray.reduceRightOrNull(operation: (Char, acc: Char) -> Char): Char? {\n    var index = lastIndex\n    if (index
< 0) return null\n    var accumulator = get(index--)\n    while (index >= 0) {\n        accumulator =
operation(get(index--), accumulator)\n    }\n    return accumulator\n}\n\n/**\n * Returns a list containing successive
accumulation values generated by applying [operation] from left to right\n * to each element and current
accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should
not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation]
function that takes current accumulator value and an element, and calculates the next accumulator value.\n * \n *
@sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\npublic inline fun
<T, R> Array<out T>.runningFold(initial: R, operation: (acc: R, T) -> R): List<R> {\n    if (isEmpty()) return
listOf(initial)\n    val result = ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator = initial\n    for
(element in this) {\n        accumulator = operation(accumulator, element)\n        result.add(accumulator)\n    }\n
return result\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying
[operation] from left to right\n * to each element and current accumulator value that starts with [initial] value.\n *
\n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the
previous value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an
element, and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.runningFold\n

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*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R> ByteArray.runningFold(initial: R,
operation: (acc: R, Byte) -> R): List<R> {\n if (isEmpty()) return listOf(initial)\n val result = ArrayList<R>(size
+ 1).apply { add(initial) }\n var accumulator = initial\n for (element in this) {\n accumulator =
operation(accumulator, element)\n result.add(accumulator)\n }\n return result\n}\n\n/**\n * Returns a list
containing successive accumulation values generated by applying [operation] from left to right\n * to each element
and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation]
function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param
[operation] function that takes current accumulator value and an element, and calculates the next accumulator
value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R> ShortArray.runningFold(initial: R,
operation: (acc: R, Short) -> R): List<R> {\n if (isEmpty()) return listOf(initial)\n val result = ArrayList<R>(size
+ 1).apply { add(initial) }\n var accumulator = initial\n for (element in this) {\n accumulator =
operation(accumulator, element)\n result.add(accumulator)\n }\n return result\n}\n\n/**\n * Returns a list
containing successive accumulation values generated by applying [operation] from left to right\n * to each element
and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation]
function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param
[operation] function that takes current accumulator value and an element, and calculates the next accumulator
value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R> IntArray.runningFold(initial: R,
operation: (acc: R, Int) -> R): List<R> {\n if (isEmpty()) return listOf(initial)\n val result = ArrayList<R>(size +
1).apply { add(initial) }\n var accumulator = initial\n for (element in this) {\n accumulator =
operation(accumulator, element)\n result.add(accumulator)\n }\n return result\n}\n\n/**\n * Returns a list
containing successive accumulation values generated by applying [operation] from left to right\n * to each element
and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation]
function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param
[operation] function that takes current accumulator value and an element, and calculates the next accumulator
value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R> LongArray.runningFold(initial: R,
operation: (acc: R, Long) -> R): List<R> {\n if (isEmpty()) return listOf(initial)\n val result = ArrayList<R>(size
+ 1).apply { add(initial) }\n var accumulator = initial\n for (element in this) {\n accumulator =
operation(accumulator, element)\n result.add(accumulator)\n }\n return result\n}\n\n/**\n * Returns a list
containing successive accumulation values generated by applying [operation] from left to right\n * to each element
and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation]
function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param
[operation] function that takes current accumulator value and an element, and calculates the next accumulator
value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R> FloatArray.runningFold(initial: R,
operation: (acc: R, Float) -> R): List<R> {\n if (isEmpty()) return listOf(initial)\n val result = ArrayList<R>(size
+ 1).apply { add(initial) }\n var accumulator = initial\n for (element in this) {\n accumulator =
operation(accumulator, element)\n result.add(accumulator)\n }\n return result\n}\n\n/**\n * Returns a list
containing successive accumulation values generated by applying [operation] from left to right\n * to each element
and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation]
function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param
[operation] function that takes current accumulator value and an element, and calculates the next accumulator
value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R> DoubleArray.runningFold(initial: R,
operation: (acc: R, Double) -> R): List<R> {\n if (isEmpty()) return listOf(initial)\n val result =
ArrayList<R>(size + 1).apply { add(initial) }\n var accumulator = initial\n for (element in this) {\n

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accumulator = operation(accumulator, element)\n    result.add(accumulator)\n } \n return result\n}\n\n/**\n *
Returns a list containing successive accumulation values generated by applying [operation] from left to right\n *
to each element and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to
[operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n *
@param [operation] function that takes current accumulator value and an element, and calculates the next
accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R> BooleanArray.runningFold(initial:
R, operation: (acc: R, Boolean) -> R): List<R> {\n    if (isEmpty()) return listOf(initial)\n    val result =
ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator = initial\n    for (element in this) {\n
accumulator = operation(accumulator, element)\n        result.add(accumulator)\n    }\n    return result\n}\n\n/**\n *
Returns a list containing successive accumulation values generated by applying [operation] from left to right\n *
to each element and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to
[operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n *
@param [operation] function that takes current accumulator value and an element, and calculates the next
accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R> CharArray.runningFold(initial: R,
operation: (acc: R, Char) -> R): List<R> {\n    if (isEmpty()) return listOf(initial)\n    val result = ArrayList<R>(size
+ 1).apply { add(initial) }\n    var accumulator = initial\n    for (element in this) {\n        accumulator =
operation(accumulator, element)\n        result.add(accumulator)\n    }\n    return result\n}\n\n/**\n *
Returns a list
containing successive accumulation values generated by applying [operation] from left to right\n *
to each element,
its index in the original array and current accumulator value that starts with [initial] value.\n * \n * Note that `acc`
value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in
resulting list.\n * \n * @param [operation] function that takes the index of an element, current accumulator value\n *
and the element itself, and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\npublic inline fun <T, R>
Array<out T>.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, T) -> R): List<R> {\n    if (isEmpty())
return listOf(initial)\n    val result = ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator = initial\n
for (index in indices) {\n        accumulator = operation(index, accumulator, this[index])\n        result.add(accumulator)\n
    }\n    return result\n}\n\n/**\n *
Returns a list containing successive accumulation
values generated by applying [operation] from left to right\n *
to each element, its index in the original array and
current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function
should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation]
function that takes the index of an element, current accumulator value\n *
and the element itself, and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R>
ByteArray.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, Byte) -> R): List<R> {\n    if (isEmpty())
return listOf(initial)\n    val result = ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator = initial\n
for (index in indices) {\n        accumulator = operation(index, accumulator, this[index])\n        result.add(accumulator)\n
    }\n    return result\n}\n\n/**\n *
Returns a list containing successive accumulation
values generated by applying [operation] from left to right\n *
to each element, its index in the original array and
current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function
should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation]
function that takes the index of an element, current accumulator value\n *
and the element itself, and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R>
ShortArray.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, Short) -> R): List<R> {\n    if (isEmpty())
return listOf(initial)\n    val result = ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator = initial\n
for (index in indices) {\n        accumulator = operation(index, accumulator, this[index])\n

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result.add(accumulator)\n } \n return result\n}\n\n\*\*\n \* Returns a list containing successive accumulation values generated by applying [operation] from left to right\n \* to each element, its index in the original array and current accumulator value that starts with [initial] value.\n \* \n \* Note that `acc` value passed to [operation] function should not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* @param [operation] function that takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.runningFold\n

\*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R>

IntArray.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, Int) -> R): List<R> {\n if (isEmpty()) return listOf(initial)\n val result = ArrayList<R>(size + 1).apply { add(initial) }\n var accumulator = initial\n for (index in indices) {\n accumulator = operation(index, accumulator, this[index])\n result.add(accumulator)\n }

\n return result\n}\n\n\*\*\n \* Returns a list containing successive accumulation values generated by applying [operation] from left to right\n \* to each element, its index in the original array and current accumulator value that starts with [initial] value.\n \* \n \* Note that `acc` value passed to [operation] function should not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* @param [operation] function that takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.runningFold\n

\*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R>

LongArray.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, Long) -> R): List<R> {\n if (isEmpty()) return listOf(initial)\n val result = ArrayList<R>(size + 1).apply { add(initial) }\n var accumulator = initial\n for (index in indices) {\n accumulator = operation(index, accumulator, this[index])\n result.add(accumulator)\n }

\n return result\n}\n\n\*\*\n \* Returns a list containing successive accumulation values generated by applying [operation] from left to right\n \* to each element, its index in the original array and current accumulator value that starts with [initial] value.\n \* \n \* Note that `acc` value passed to [operation] function should not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* @param [operation] function that takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.runningFold\n

\*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R>

FloatArray.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, Float) -> R): List<R> {\n if (isEmpty()) return listOf(initial)\n val result = ArrayList<R>(size + 1).apply { add(initial) }\n var accumulator = initial\n for (index in indices) {\n accumulator = operation(index, accumulator, this[index])\n result.add(accumulator)\n }

\n return result\n}\n\n\*\*\n \* Returns a list containing successive accumulation values generated by applying [operation] from left to right\n \* to each element, its index in the original array and current accumulator value that starts with [initial] value.\n \* \n \* Note that `acc` value passed to [operation] function should not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* @param [operation] function that takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.runningFold\n

\*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R>

DoubleArray.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, Double) -> R): List<R> {\n if (isEmpty()) return listOf(initial)\n val result = ArrayList<R>(size + 1).apply { add(initial) }\n var accumulator = initial\n for (index in indices) {\n accumulator = operation(index, accumulator, this[index])\n result.add(accumulator)\n }

\n return result\n}\n\n\*\*\n \* Returns a list containing successive accumulation values generated by applying [operation] from left to right\n \* to each element, its index in the original array and current accumulator value that starts with [initial] value.\n \* \n \* Note that `acc` value passed to [operation] function should not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* @param [operation] function that takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.runningFold\n

\*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R>

BooleanArray.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, Boolean) -> R): List<R> {\n if

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(isEmpty()) return listOf(initial)\n    val result = ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator =
initial\n    for (index in indices) {\n        accumulator = operation(index, accumulator, this[index])\n    }\n    result.add(accumulator)\n }\n return result\n}\n\n/**\n * Returns a list containing successive accumulation
values generated by applying [operation] from left to right\n * to each element, its index in the original array and
current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function
should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n
*/\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <R>
CharArray.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, Char) -> R): List<R> {\n    if (isEmpty())
return listOf(initial)\n    val result = ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator = initial\n
for (index in indices) {\n        accumulator = operation(index, accumulator, this[index])\n    }\n    result.add(accumulator)\n }\n return result\n}\n\n/**\n * Returns a list containing successive accumulation
values generated by applying [operation] from left to right\n * to each element and current accumulator value that
starts with the first element of this array.\n * \n * Note that `acc` value passed to [operation] function should not be
mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation] function that
takes current accumulator value and the element, and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.runningReduce\n
*/\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun <S, T : S>
Array<out T>.runningReduce(operation: (acc: S, T) -> S): List<S> {\n    if (isEmpty()) return emptyList()\n    var
accumulator: S = this[0]\n    val result = ArrayList<S>(size).apply { add(accumulator) }\n    for (index in 1 until
size) {\n        accumulator = operation(accumulator, this[index])\n        result.add(accumulator)\n    }\n return
result\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from
left to right\n * to each element and current accumulator value that starts with the first element of this array.\n * \n
* @param [operation] function that takes current accumulator value and an element, and calculates the next
accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningReduce\n
*/\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.runningReduce(operation:
(acc: Byte, Byte) -> Byte): List<Byte> {\n    if (isEmpty()) return emptyList()\n    var accumulator = this[0]\n    val
result = ArrayList<Byte>(size).apply { add(accumulator) }\n    for (index in 1 until size) {\n        accumulator =
operation(accumulator, this[index])\n        result.add(accumulator)\n    }\n return result\n}\n\n/**\n * Returns a list
containing successive accumulation values generated by applying [operation] from left to right\n * to each element
and current accumulator value that starts with the first element of this array.\n * \n * @param [operation] function
that takes current accumulator value and an element, and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.runningReduce\n
*/\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.runningReduce(operation:
(acc: Short, Short) -> Short): List<Short> {\n    if (isEmpty()) return emptyList()\n    var accumulator = this[0]\n
val result = ArrayList<Short>(size).apply { add(accumulator) }\n    for (index in 1 until size) {\n        accumulator =
operation(accumulator, this[index])\n        result.add(accumulator)\n    }\n return result\n}\n\n/**\n * Returns a list
containing successive accumulation values generated by applying [operation] from left to right\n * to each element
and current accumulator value that starts with the first element of this array.\n * \n * @param [operation] function
that takes current accumulator value and an element, and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.runningReduce\n
*/\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.runningReduce(operation: (acc:
Int, Int) -> Int): List<Int> {\n    if (isEmpty()) return emptyList()\n    var accumulator = this[0]\n    val result =
ArrayList<Int>(size).apply { add(accumulator) }\n    for (index in 1 until size) {\n        accumulator =
operation(accumulator, this[index])\n        result.add(accumulator)\n    }\n return result\n}\n\n/**\n * Returns a list
containing successive accumulation values generated by applying [operation] from left to right\n * to each element
and current accumulator value that starts with the first element of this array.\n * \n * @param [operation] function

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that takes current accumulator value and an element, and calculates the next accumulator value.

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samples.collections.Collections.Aggregates.runningReduce
*/n@SinceKotlin("1.4")n@kotlin.internal.InlineOnlynpublic inline fun LongArray.runningReduce(operation:
(acc: Long, Long) -> Long): List<Long> {n if (isEmpty()) return emptyList()n var accumulator = this[0]n
val result = ArrayList<Long>(size).apply { add(accumulator) }n for (index in 1 until size) {n accumulator =
operation(accumulator, this[index])n result.add(accumulator)n }n return resultn}n/n/**n * Returns a list
containing successive accumulation values generated by applying [operation] from left to rightn * to each element
and current accumulator value that starts with the first element of this array.n * n * @param [operation] function
that takes current accumulator value and an element, and calculates the next accumulator value.n * n * @sample
samples.collections.Collections.Aggregates.runningReduce
*/n@SinceKotlin("1.4")n@kotlin.internal.InlineOnlynpublic inline fun FloatArray.runningReduce(operation:
(acc: Float, Float) -> Float): List<Float> {n if (isEmpty()) return emptyList()n var accumulator = this[0]n val
result = ArrayList<Float>(size).apply { add(accumulator) }n for (index in 1 until size) {n accumulator =
operation(accumulator, this[index])n result.add(accumulator)n }n return resultn}n/n/**n * Returns a list
containing successive accumulation values generated by applying [operation] from left to rightn * to each element
and current accumulator value that starts with the first element of this array.n * n * @param [operation] function
that takes current accumulator value and an element, and calculates the next accumulator value.n * n * @sample
samples.collections.Collections.Aggregates.runningReduce
*/n@SinceKotlin("1.4")n@kotlin.internal.InlineOnlynpublic inline fun DoubleArray.runningReduce(operation:
(acc: Double, Double) -> Double): List<Double> {n if (isEmpty()) return emptyList()n var accumulator =
this[0]n val result = ArrayList<Double>(size).apply { add(accumulator) }n for (index in 1 until size) {n
accumulator = operation(accumulator, this[index])n result.add(accumulator)n }n return resultn}n/n/**n
* Returns a list containing successive accumulation values generated by applying [operation] from left to rightn *
to each element and current accumulator value that starts with the first element of this array.n * n * @param
[operation] function that takes current accumulator value and an element, and calculates the next accumulator
value.n * n * @sample samples.collections.Collections.Aggregates.runningReduce
*/n@SinceKotlin("1.4")n@kotlin.internal.InlineOnlynpublic inline fun BooleanArray.runningReduce(operation:
(acc: Boolean, Boolean) -> Boolean): List<Boolean> {n if (isEmpty()) return emptyList()n var accumulator =
this[0]n val result = ArrayList<Boolean>(size).apply { add(accumulator) }n for (index in 1 until size) {n
accumulator = operation(accumulator, this[index])n result.add(accumulator)n }n return resultn}n/n/**n
* Returns a list containing successive accumulation values generated by applying [operation] from left to rightn *
to each element and current accumulator value that starts with the first element of this array.n * n * @param
[operation] function that takes current accumulator value and an element, and calculates the next accumulator
value.n * n * @sample samples.collections.Collections.Aggregates.runningReduce
*/n@SinceKotlin("1.4")n@kotlin.internal.InlineOnlynpublic inline fun CharArray.runningReduce(operation:
(acc: Char, Char) -> Char): List<Char> {n if (isEmpty()) return emptyList()n var accumulator = this[0]n val
result = ArrayList<Char>(size).apply { add(accumulator) }n for (index in 1 until size) {n accumulator =
operation(accumulator, this[index])n result.add(accumulator)n }n return resultn}n/n/**n * Returns a list
containing successive accumulation values generated by applying [operation] from left to rightn * to each element,
its index in the original array and current accumulator value that starts with the first element of this array.n *
n * Note that `acc` value passed to [operation] function should not be mutated;n * otherwise it would affect the
previous value in resulting list.n * n * @param [operation] function that takes the index of an element, current
accumulator valuen * and the element itself, and calculates the next accumulator value.n * n * @sample
samples.collections.Collections.Aggregates.runningReduce
*/n@SinceKotlin("1.4")npublic inline fun <S, T :
S> Array<out T>.runningReduceIndexed(operation: (index: Int, acc: S, T) -> S): List<S> {n if (isEmpty()) return
emptyList()n var accumulator: S = this[0]n val result = ArrayList<S>(size).apply { add(accumulator) }n for
(index in 1 until size) {n accumulator = operation(index, accumulator, this[index])n
result.add(accumulator)n }n return resultn}n/n/**n * Returns a list containing successive accumulation

```

values generated by applying [operation] from left to right\n \* to each element, its index in the original array and current accumulator value that starts with the first element of this array.\n \* \n \* @param [operation] function that takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.runningReduce\n \* \n \* @SinceKotlin("1.4")\n \* @kotlin.internal.InlineOnly\n \* public inline fun

```

ByteArray.runningReduceIndexed(operation: (index: Int, acc: Byte, Byte) -> Byte): List<Byte> {\n  if (isEmpty())\n  return emptyList()\n  var accumulator = this[0]\n  val result = ArrayList<Byte>(size).apply { add(accumulator)\n  }\n  for (index in 1 until size) {\n    accumulator = operation(index, accumulator, this[index])\n    result.add(accumulator)\n  }\n  return result\n}\n\n/**\n * Returns a list containing successive accumulation\n * values generated by applying [operation] from left to right\n * to each element, its index in the original array and\n * current accumulator value that starts with the first element of this array.\n * \n * @param [operation] function that\n * takes the index of an element, current accumulator value\n * and the element itself, and calculates the next\n * accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningReduce\n * \n * @SinceKotlin("1.4")\n * @kotlin.internal.InlineOnly\n * public inline fun

```

ShortArray.runningReduceIndexed(operation: (index: Int, acc: Short, Short) -> Short): List<Short> {\n if (isEmpty()) return emptyList()\n var accumulator = this[0]\n val result = ArrayList<Short>(size).apply { add(accumulator) }\n for (index in 1 until size) {\n accumulator = operation(index, accumulator, this[index])\n result.add(accumulator)\n }\n return result\n}\n\n/\*\*\n \* Returns a list containing successive accumulation\n \* values generated by applying [operation] from left to right\n \* to each element, its index in the original array and\n \* current accumulator value that starts with the first element of this array.\n \* \n \* @param [operation] function that\n \* takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next\n \* accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.runningReduce\n \* \n \* @SinceKotlin("1.4")\n \* @kotlin.internal.InlineOnly\n \* public inline fun

```

IntArray.runningReduceIndexed(operation: (index: Int, acc: Int, Int) -> Int): List<Int> {\n  if (isEmpty()) return\n  emptyList()\n  var accumulator = this[0]\n  val result = ArrayList<Int>(size).apply { add(accumulator) }\n  for\n  (index in 1 until size) {\n    accumulator = operation(index, accumulator, this[index])\n    result.add(accumulator)\n  }\n  return result\n}\n\n/**\n * Returns a list containing successive accumulation\n * values generated by applying [operation] from left to right\n * to each element, its index in the original array and\n * current accumulator value that starts with the first element of this array.\n * \n * @param [operation] function that\n * takes the index of an element, current accumulator value\n * and the element itself, and calculates the next\n * accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningReduce\n * \n * @SinceKotlin("1.4")\n * @kotlin.internal.InlineOnly\n * public inline fun

```

LongArray.runningReduceIndexed(operation: (index: Int, acc: Long, Long) -> Long): List<Long> {\n if (isEmpty()) return emptyList()\n var accumulator = this[0]\n val result = ArrayList<Long>(size).apply { add(accumulator) }\n for (index in 1 until size) {\n accumulator = operation(index, accumulator, this[index])\n result.add(accumulator)\n }\n return result\n}\n\n/\*\*\n \* Returns a list containing successive accumulation\n \* values generated by applying [operation] from left to right\n \* to each element, its index in the original array and\n \* current accumulator value that starts with the first element of this array.\n \* \n \* @param [operation] function that\n \* takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next\n \* accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.runningReduce\n \* \n \* @SinceKotlin("1.4")\n \* @kotlin.internal.InlineOnly\n \* public inline fun

```

FloatArray.runningReduceIndexed(operation: (index: Int, acc: Float, Float) -> Float): List<Float> {\n  if\n  (isEmpty()) return emptyList()\n  var accumulator = this[0]\n  val result = ArrayList<Float>(size).apply { add(accumulator) }\n  for (index in 1 until size) {\n    accumulator = operation(index, accumulator, this[index])\n    result.add(accumulator)\n  }\n  return result\n}\n\n/**\n * Returns a list containing successive accumulation\n * values generated by applying [operation] from left to right\n * to each element, its index in the original array and\n * current accumulator value that starts with the first element of this array.\n * \n * @param [operation] function that\n * takes the index of an element, current accumulator value\n * and the element itself, and calculates the next

```

```

accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningReduce\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun
DoubleArray.runningReduceIndexed(operation: (index: Int, acc: Double, Double) -> Double): List<Double> {\n if
(isEmpty()) return emptyList()\n var accumulator = this[0]\n val result = ArrayList<Double>(size).apply {
add(accumulator) }\n for (index in 1 until size) {\n accumulator = operation(index, accumulator, this[index])\n
result.add(accumulator)\n }\n return result\n}\n\n/**\n * Returns a list containing successive accumulation
values generated by applying [operation] from left to right\n * to each element, its index in the original array and
current accumulator value that starts with the first element of this array.\n * \n * @param [operation] function that
takes the index of an element, current accumulator value\n * and the element itself, and calculates the next
accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningReduce\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun
BooleanArray.runningReduceIndexed(operation: (index: Int, acc: Boolean, Boolean) -> Boolean): List<Boolean>
{\n if (isEmpty()) return emptyList()\n var accumulator = this[0]\n val result =
ArrayList<Boolean>(size).apply { add(accumulator) }\n for (index in 1 until size) {\n accumulator =
operation(index, accumulator, this[index])\n result.add(accumulator)\n }\n return result\n}\n\n/**\n *
Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to
each element, its index in the original array and current accumulator value that starts with the first element of this
array.\n * \n * @param [operation] function that takes the index of an element, current accumulator value\n * and
the element itself, and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.runningReduce\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun
CharArray.runningReduceIndexed(operation: (index: Int, acc: Char, Char) -> Char): List<Char> {\n if (isEmpty())
return emptyList()\n var accumulator = this[0]\n val result = ArrayList<Char>(size).apply { add(accumulator)
}\n for (index in 1 until size) {\n accumulator = operation(index, accumulator, this[index])\n
result.add(accumulator)\n }\n return result\n}\n\n/**\n * Returns a list containing successive accumulation
values generated by applying [operation] from left to right\n * to each element and current accumulator value that
starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n *
otherwise it would affect the previous value in resulting list.\n * \n * @param [operation] function that takes current
accumulator value and an element, and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.scan\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun <T, R>
Array<out T>.scan(initial: R, operation: (acc: R, T) -> R): List<R> {\n return runningFold(initial,
operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation]
from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n * Note
that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous
value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an element,
and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun <R> ByteArray.scan(initial: R, operation: (acc: R, Byte) -> R): List<R> {\n return runningFold(initial,
operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation]
from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n * Note
that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous
value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an element,
and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun <R> ShortArray.scan(initial: R, operation: (acc: R, Short) -> R): List<R> {\n return
runningFold(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by
applying [operation] from left to right\n * to each element and current accumulator value that starts with [initial]

```

value.\n \* \n \* Note that `acc` value passed to [operation] function should not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.scan\n

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> IntArray.scan(initial: R, operation: (acc: R, Int) -> R): List<R> {\n    return runningFold(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
```

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> LongArray.scan(initial: R, operation: (acc: R, Long) -> R): List<R> {\n    return runningFold(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
```

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> FloatArray.scan(initial: R, operation: (acc: R, Float) -> R): List<R> {\n    return runningFold(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
```

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> DoubleArray.scan(initial: R, operation: (acc: R, Double) -> R): List<R> {\n    return runningFold(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
```

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> BooleanArray.scan(initial: R, operation: (acc: R, Boolean) -> R): List<R> {\n    return runningFold(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
```

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> CharArray.scan(initial: R, operation: (acc: R, Char) -> R): List<R> {\n    return runningFold(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each element, its index in the original array and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it
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would affect the previous value in resulting list.\n \* \n \* @param [operation] function that takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.scan\n

```

*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun <T, R>
Array<out T>.scanIndexed(initial: R, operation: (index: Int, acc: R, T) -> R): List<R> {\n    return
runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values
generated by applying [operation] from left to right\n * to each element, its index in the original array and current
accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should
not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun <R> ByteArray.scanIndexed(initial: R, operation: (index: Int, acc: R, Byte) -> R): List<R> {\n    return
runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values
generated by applying [operation] from left to right\n * to each element, its index in the original array and current
accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should
not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun <R> ShortArray.scanIndexed(initial: R, operation: (index: Int, acc: R, Short) -> R): List<R> {\n    return
runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values
generated by applying [operation] from left to right\n * to each element, its index in the original array and current
accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should
not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun <R> IntArray.scanIndexed(initial: R, operation: (index: Int, acc: R, Int) -> R): List<R> {\n    return
runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values
generated by applying [operation] from left to right\n * to each element, its index in the original array and current
accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should
not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun <R> LongArray.scanIndexed(initial: R, operation: (index: Int, acc: R, Long) -> R): List<R> {\n    return
runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values
generated by applying [operation] from left to right\n * to each element, its index in the original array and current
accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should
not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun <R> FloatArray.scanIndexed(initial: R, operation: (index: Int, acc: R, Float) -> R): List<R> {\n    return
runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values
generated by applying [operation] from left to right\n * to each element, its index in the original array and current
accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should

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not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* @param [operation] function that takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.scan\n

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*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> DoubleArray.scanIndexed(initial: R, operation: (index: Int, acc: R, Double) -> R): List<R> {\n
return runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each element, its index in the original array and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation] function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> BooleanArray.scanIndexed(initial: R, operation: (index: Int, acc: R, Boolean) -> R): List<R> {\n
return runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each element, its index in the original array and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation] function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.scan\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> CharArray.scanIndexed(initial: R, operation: (index: Int, acc: R, Char) -> R): List<R> {\n
return runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the array.\n * \n@Deprecated("Use sumOf instead.")\nReplaceWith("this.sumOf(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic inline fun <T> Array<out T>.sumBy(selector: (T) -> Int): Int {\n
var sum: Int = 0\n
for (element in this) {\n
sum += selector(element)\n
}\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the array.\n * \n@Deprecated("Use sumOf instead.")\nReplaceWith("this.sumOf(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic inline fun ByteArray.sumBy(selector: (Byte) -> Int): Int {\n
var sum: Int = 0\n
for (element in this) {\n
sum += selector(element)\n
}\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the array.\n * \n@Deprecated("Use sumOf instead.")\nReplaceWith("this.sumOf(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic inline fun ShortArray.sumBy(selector: (Short) -> Int): Int {\n
var sum: Int = 0\n
for (element in this) {\n
sum += selector(element)\n
}\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the array.\n * \n@Deprecated("Use sumOf instead.")\nReplaceWith("this.sumOf(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic inline fun IntArray.sumBy(selector: (Int) -> Int): Int {\n
var sum: Int = 0\n
for (element in this) {\n
sum += selector(element)\n
}\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the array.\n * \n@Deprecated("Use sumOf instead.")\nReplaceWith("this.sumOf(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic inline fun LongArray.sumBy(selector: (Long) -> Int): Int {\n
var sum: Int = 0\n
for (element in this) {\n
sum += selector(element)\n
}\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the array.\n * \n@Deprecated("Use sumOf instead.")\nReplaceWith("this.sumOf(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic inline fun FloatArray.sumBy(selector: (Float) -> Int): Int {\n
var sum: Int = 0\n
for (element in this) {\n
sum += selector(element)\n
}\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the array.\n * \n@Deprecated("Use sumOf instead.")\nReplaceWith("this.sumOf(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic inline fun

```

```

DoubleArray.sumBy(selector: (Double) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by [selector] function
 * applied to each element in the array.
 */
@Deprecated("Use sumOf instead.")
ReplaceWith("this.sumOf(selector)")
@DeprecatedSinceKotlin(warningSince = "1.5")
public inline fun
BooleanArray.sumBy(selector: (Boolean) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by [selector] function
 * applied to each element in the array.
 */
@Deprecated("Use sumOf instead.")
ReplaceWith("this.sumOf(selector)")
@DeprecatedSinceKotlin(warningSince = "1.5")
public inline fun
CharArray.sumBy(selector: (Char) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by [selector] function
 * applied to each element in the array.
 */
@Deprecated("Use sumOf instead.")
ReplaceWith("this.sumOf(selector)")
@DeprecatedSinceKotlin(warningSince = "1.5")
public inline fun <T>
Array<out T>.sumByDouble(selector: (T) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by
 * [selector] function applied to each element in the array.
 */
@Deprecated("Use sumOf instead.")
ReplaceWith("this.sumOf(selector)")
@DeprecatedSinceKotlin(warningSince = "1.5")
public inline fun
ByteArray.sumByDouble(selector: (Byte) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by
 * [selector] function applied to each element in the array.
 */
@Deprecated("Use sumOf instead.")
ReplaceWith("this.sumOf(selector)")
@DeprecatedSinceKotlin(warningSince = "1.5")
public inline fun
ShortArray.sumByDouble(selector: (Short) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by
 * [selector] function applied to each element in the array.
 */
@Deprecated("Use sumOf instead.")
ReplaceWith("this.sumOf(selector)")
@DeprecatedSinceKotlin(warningSince = "1.5")
public inline fun
IntArray.sumByDouble(selector: (Int) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by [selector]
 * function applied to each element in the array.
 */
@Deprecated("Use sumOf instead.")
ReplaceWith("this.sumOf(selector)")
@DeprecatedSinceKotlin(warningSince = "1.5")
public inline fun
LongArray.sumByDouble(selector: (Long) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by
 * [selector] function applied to each element in the array.
 */
@Deprecated("Use sumOf instead.")
ReplaceWith("this.sumOf(selector)")
@DeprecatedSinceKotlin(warningSince = "1.5")
public inline fun
FloatArray.sumByDouble(selector: (Float) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by
 * [selector] function applied to each element in the array.
 */
@Deprecated("Use sumOf instead.")
ReplaceWith("this.sumOf(selector)")
@DeprecatedSinceKotlin(warningSince = "1.5")
public inline fun
DoubleArray.sumByDouble(selector: (Double) -> Double): Double {
    var sum: Double = 0.0
    for (element in
    this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by
 * [selector] function applied to each element in the array.
 */
@Deprecated("Use sumOf instead.")
ReplaceWith("this.sumOf(selector)")
@DeprecatedSinceKotlin(warningSince = "1.5")
public inline fun
BooleanArray.sumByDouble(selector: (Boolean) -> Double): Double {
    var sum: Double = 0.0
    for (element
    in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced
 * by [selector] function applied to each element in the array.
 */
@Deprecated("Use sumOf instead.")
ReplaceWith("this.sumOf(selector)")
@DeprecatedSinceKotlin(warningSince = "1.5")
public inline fun
CharArray.sumByDouble(selector: (Char) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by
 * [selector] function applied to each element in the array.
 */
@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution

```

```

ByLambdaReturnType\n@kotlin.jvm.JvmName("\sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun
<T> Array<out T>.sumOf(selector: (T) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element
in this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced
by [selector] function applied to each element in the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("\sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun
ByteArray.sumOf(selector: (Byte) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element in
this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("\sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun
ShortArray.sumOf(selector: (Short) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element in
this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("\sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun
IntArray.sumOf(selector: (Int) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element in this)
{\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("\sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun
LongArray.sumOf(selector: (Long) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element in
this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("\sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun
FloatArray.sumOf(selector: (Float) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element in
this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n
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ByLambdaReturnType\n@kotlin.jvm.JvmName("\sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun
DoubleArray.sumOf(selector: (Double) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element
in this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced
by [selector] function applied to each element in the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("\sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun
BooleanArray.sumOf(selector: (Boolean) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for
(element in this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values
produced by [selector] function applied to each element in the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("\sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun
CharArray.sumOf(selector: (Char) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element in
this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("\sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun <T>
Array<out T>.sumOf(selector: (T) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum +=
selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function

```

applied to each element in the array.\n

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun\nByteArray.sumOf(selector: (Byte) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum +=\n        selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function\n * applied to each element in the array.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun\nShortArray.sumOf(selector: (Short) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum +=\n        selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function\n * applied to each element in the array.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun\nIntArray.sumOf(selector: (Int) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum +=\n        selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function\n * applied to each element in the array.\n
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```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun\nLongArray.sumOf(selector: (Long) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum +=\n        selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function\n * applied to each element in the array.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun\nFloatArray.sumOf(selector: (Float) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum +=\n        selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function\n * applied to each element in the array.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun\nDoubleArray.sumOf(selector: (Double) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum +=\n        selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector]\n * function applied to each element in the array.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun\nBooleanArray.sumOf(selector: (Boolean) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum +=\n        selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector]\n * function applied to each element in the array.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun\nCharArray.sumOf(selector: (Char) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum +=\n        selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function\n * applied to each element in the array.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfLong")\n@kotlin.internal.InlineOnly\npublic inline fun\n<T> Array<out T>.sumOf(selector: (T) -> Long): Long {\n    var sum: Long = 0.toLong()\n    for (element in this)\n    {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by\n * [selector] function applied to each element in the array.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfLong")\n@kotlin.internal.InlineOnly\npublic inline fun
```

```

ByteArray.sumOf(selector: (Byte) -> Long): Long {
    var sum: Long = 0.toLong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
// Returns the sum of all values produced by [selector]
function applied to each element in the array.

* Since Kotlin("1.4") OptIn(kotlin.experimental.ExperimentalTypeInference::class) OverloadResolution
ByLambdaReturnType kotlin.jvm.JvmName("sumOfLong") kotlin.internal.InlineOnly
public inline fun
ShortArray.sumOf(selector: (Short) -> Long): Long {
    var sum: Long = 0.toLong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
// Returns the sum of all values produced by [selector]
function applied to each element in the array.

* Since Kotlin("1.4") OptIn(kotlin.experimental.ExperimentalTypeInference::class) OverloadResolution
ByLambdaReturnType kotlin.jvm.JvmName("sumOfLong") kotlin.internal.InlineOnly
public inline fun
IntArray.sumOf(selector: (Int) -> Long): Long {
    var sum: Long = 0.toLong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
// Returns the sum of all values produced by [selector]
function applied to each element in the array.

* Since Kotlin("1.4") OptIn(kotlin.experimental.ExperimentalTypeInference::class) OverloadResolution
ByLambdaReturnType kotlin.jvm.JvmName("sumOfLong") kotlin.internal.InlineOnly
public inline fun
LongArray.sumOf(selector: (Long) -> Long): Long {
    var sum: Long = 0.toLong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
// Returns the sum of all values produced by [selector]
function applied to each element in the array.

* Since Kotlin("1.4") OptIn(kotlin.experimental.ExperimentalTypeInference::class) OverloadResolution
ByLambdaReturnType kotlin.jvm.JvmName("sumOfLong") kotlin.internal.InlineOnly
public inline fun
FloatArray.sumOf(selector: (Float) -> Long): Long {
    var sum: Long = 0.toLong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
// Returns the sum of all values produced by [selector]
function applied to each element in the array.

* Since Kotlin("1.4") OptIn(kotlin.experimental.ExperimentalTypeInference::class) OverloadResolution
ByLambdaReturnType kotlin.jvm.JvmName("sumOfLong") kotlin.internal.InlineOnly
public inline fun
DoubleArray.sumOf(selector: (Double) -> Long): Long {
    var sum: Long = 0.toLong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
// Returns the sum of all values produced by
[selector] function applied to each element in the array.

* Since Kotlin("1.4") OptIn(kotlin.experimental.ExperimentalTypeInference::class) OverloadResolution
ByLambdaReturnType kotlin.jvm.JvmName("sumOfLong") kotlin.internal.InlineOnly
public inline fun
BooleanArray.sumOf(selector: (Boolean) -> Long): Long {
    var sum: Long = 0.toLong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
// Returns the sum of all values produced by
[selector] function applied to each element in the array.

* Since Kotlin("1.4") OptIn(kotlin.experimental.ExperimentalTypeInference::class) OverloadResolution
ByLambdaReturnType kotlin.jvm.JvmName("sumOfLong") kotlin.internal.InlineOnly
public inline fun
CharArray.sumOf(selector: (Char) -> Long): Long {
    var sum: Long = 0.toLong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
// Returns the sum of all values produced by [selector]
function applied to each element in the array.

* Since Kotlin("1.5") OptIn(kotlin.experimental.ExperimentalTypeInference::class) OverloadResolution
ByLambdaReturnType kotlin.jvm.JvmName("sumOfUInt") WasExperimental(ExperimentalUnsignedType
s::class) kotlin.internal.InlineOnly
public inline fun <T> Array<out T>.sumOf(selector: (T) -> UInt): UInt {
    var sum: UInt = 0.toUInt()
    for (element in this) {
        sum += selector(element)
    }
    return
sum
}
// Returns the sum of all values produced by [selector] function applied to each element in the
array.

* Since Kotlin("1.5") OptIn(kotlin.experimental.ExperimentalTypeInference::class) OverloadResolution
ByLambdaReturnType kotlin.jvm.JvmName("sumOfUInt") WasExperimental(ExperimentalUnsignedType
s::class) kotlin.internal.InlineOnly
public inline fun ByteArray.sumOf(selector: (Byte) -> UInt): UInt {
    var
sum: UInt = 0.toUInt()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
// Returns the sum of all values produced by [selector] function applied to each element in the
array.

```

Returns the sum of all values produced by [selector] function applied to each element in the array.\n

```
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfUInt")\n@WasExperimental(ExperimentalUnsignedType\ns::class)\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.sumOf(selector: (Short) -> UInt): UInt {\n var\nsum: UInt = 0.toUInt()\n for (element in this) {\n sum += selector(element)\n }\n return sum\n}\n\n/**\n *
```

Returns the sum of all values produced by [selector] function applied to each element in the array.\n

```
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfUInt")\n@WasExperimental(ExperimentalUnsignedType\ns::class)\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.sumOf(selector: (Int) -> UInt): UInt {\n var\nsum: UInt = 0.toUInt()\n for (element in this) {\n sum += selector(element)\n }\n return sum\n}\n\n/**\n *
```

Returns the sum of all values produced by [selector] function applied to each element in the array.\n

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*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfUInt")\n@WasExperimental(ExperimentalUnsignedType\ns::class)\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.sumOf(selector: (Long) -> UInt): UInt {\n var\nsum: UInt = 0.toUInt()\n for (element in this) {\n sum += selector(element)\n }\n return sum\n}\n\n/**\n *
```

Returns the sum of all values produced by [selector] function applied to each element in the array.\n

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*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfUInt")\n@WasExperimental(ExperimentalUnsignedType\ns::class)\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.sumOf(selector: (Float) -> UInt): UInt {\n var\nsum: UInt = 0.toUInt()\n for (element in this) {\n sum += selector(element)\n }\n return sum\n}\n\n/**\n *
```

Returns the sum of all values produced by [selector] function applied to each element in the array.\n

```
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfUInt")\n@WasExperimental(ExperimentalUnsignedType\ns::class)\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.sumOf(selector: (Double) -> UInt): UInt {\n\nvar sum: UInt = 0.toUInt()\n for (element in this) {\n sum += selector(element)\n }\n return\nsum\n}\n\n/**\n *
```

Returns the sum of all values produced by [selector] function applied to each element in the array.\n

```
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfUInt")\n@WasExperimental(ExperimentalUnsignedType\ns::class)\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.sumOf(selector: (Boolean) -> UInt): UInt\n{\n var sum: UInt = 0.toUInt()\n for (element in this) {\n sum += selector(element)\n }\n return\nsum\n}\n\n/**\n *
```

Returns the sum of all values produced by [selector] function applied to each element in the array.\n

```
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfUInt")\n@WasExperimental(ExperimentalUnsignedType\ns::class)\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.sumOf(selector: (Char) -> UInt): UInt {\n var\nsum: UInt = 0.toUInt()\n for (element in this) {\n sum += selector(element)\n }\n return sum\n}\n\n/**\n *
```

Returns the sum of all values produced by [selector] function applied to each element in the array.\n

```
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedType\npes::class)\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.sumOf(selector: (T) -> ULong):\nULong {\n var sum: ULong = 0.toULong()\n for (element in this) {\n sum += selector(element)\n }\n return sum\n}\n\n/**\n *
```

Returns the sum of all values produced by [selector] function applied to each element in the array.\n

```
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedType\npes::class)\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.sumOf(selector: (Byte) -> ULong): ULong\n{\n var sum: ULong = 0.toULong()\n for (element in this) {\n sum += selector(element)\n }\n return
```

```

sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the
array.\n
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedTy
pes::class)\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.sumOf(selector: (Short) -> ULong): ULong
{\n    var sum: ULong = 0.toULong()\n    for (element in this) {\n        sum += selector(element)\n    }\n    return
sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the
array.\n
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedTy
pes::class)\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.sumOf(selector: (Int) -> ULong): ULong {\n
var sum: ULong = 0.toULong()\n    for (element in this) {\n        sum += selector(element)\n    }\n    return
sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the
array.\n
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedTy
pes::class)\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.sumOf(selector: (Long) -> ULong): ULong
{\n    var sum: ULong = 0.toULong()\n    for (element in this) {\n        sum += selector(element)\n    }\n    return
sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the
array.\n
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedTy
pes::class)\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.sumOf(selector: (Float) -> ULong): ULong
{\n    var sum: ULong = 0.toULong()\n    for (element in this) {\n        sum += selector(element)\n    }\n    return
sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the
array.\n
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedTy
pes::class)\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.sumOf(selector: (Double) -> ULong):
ULong {\n    var sum: ULong = 0.toULong()\n    for (element in this) {\n        sum += selector(element)\n    }\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in
the array.\n
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedTy
pes::class)\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.sumOf(selector: (Boolean) -> ULong):
ULong {\n    var sum: ULong = 0.toULong()\n    for (element in this) {\n        sum += selector(element)\n    }\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in
the array.\n
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedTy
pes::class)\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.sumOf(selector: (Char) -> ULong): ULong
{\n    var sum: ULong = 0.toULong()\n    for (element in this) {\n        sum += selector(element)\n    }\n    return
sum\n}\n\n/**\n * Returns an original collection containing all the non-`null` elements, throwing an
[IllegalArgumentException] if there are any `null` elements.\n *  

*\n@kotlin.jvm.JvmName("requireNonNulls")\n@kotlin.jvm.JvmName("requireNonNulls")\npublic fun <T : Any>
Array<T?>.requireNonNulls(): Array<T> {\n    for (element in this) {\n        if (element == null) {\n            throw
IllegalArgumentException("null element found in $this.")\n        }\n    }\n    return this\n}\n\n/**\n * Splits the original array into pair
of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while *second* list contains

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elements for which [predicate] yielded `false`.n * .n * @sample
samples.collections.Arrays.Transformations.partitionArrayOfPrimitives\n */\npublic inline fun <T> Array<out
T>.partition(predicate: (T) -> Boolean): Pair<List<T>, List<T>> {\n    val first = ArrayList<T>()\n    val second =
ArrayList<T>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n        } else {\n
        second.add(element)\n        }\n    }\n    return Pair(first, second)\n}\n\n/**\n * Splits the original array into pair
of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while *second* list contains
elements for which [predicate] yielded `false`.n * .n * @sample
samples.collections.Arrays.Transformations.partitionArrayOfPrimitives\n */\npublic inline fun
ByteArray.partition(predicate: (Byte) -> Boolean): Pair<List<Byte>, List<Byte>> {\n    val first =
ArrayList<Byte>()\n    val second = ArrayList<Byte>()\n    for (element in this) {\n        if (predicate(element)) {\n
        first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first,
second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which
[predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.n * .n *
@sample samples.collections.Arrays.Transformations.partitionArrayOfPrimitives\n */\npublic inline fun
ShortArray.partition(predicate: (Short) -> Boolean): Pair<List<Short>, List<Short>> {\n    val first =
ArrayList<Short>()\n    val second = ArrayList<Short>()\n    for (element in this) {\n        if (predicate(element)) {\n
        first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first,
second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which
[predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.n * .n *
@sample samples.collections.Arrays.Transformations.partitionArrayOfPrimitives\n */\npublic inline fun
IntArray.partition(predicate: (Int) -> Boolean): Pair<List<Int>, List<Int>> {\n    val first = ArrayList<Int>()\n    val
second = ArrayList<Int>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n
        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first, second)\n}\n\n/**\n * Splits the original
array into pair of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while
*second* list contains elements for which [predicate] yielded `false`.n * .n * @sample
samples.collections.Arrays.Transformations.partitionArrayOfPrimitives\n */\npublic inline fun
LongArray.partition(predicate: (Long) -> Boolean): Pair<List<Long>, List<Long>> {\n    val first =
ArrayList<Long>()\n    val second = ArrayList<Long>()\n    for (element in this) {\n        if (predicate(element)) {\n
        first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first,
second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which
[predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.n * .n *
@sample samples.collections.Arrays.Transformations.partitionArrayOfPrimitives\n */\npublic inline fun
FloatArray.partition(predicate: (Float) -> Boolean): Pair<List<Float>, List<Float>> {\n    val first =
ArrayList<Float>()\n    val second = ArrayList<Float>()\n    for (element in this) {\n        if (predicate(element)) {\n
        first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first,
second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which
[predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.n * .n *
@sample samples.collections.Arrays.Transformations.partitionArrayOfPrimitives\n */\npublic inline fun
DoubleArray.partition(predicate: (Double) -> Boolean): Pair<List<Double>, List<Double>> {\n    val first =
ArrayList<Double>()\n    val second = ArrayList<Double>()\n    for (element in this) {\n        if (predicate(element))
{\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first,
second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which
[predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.n * .n *
@sample samples.collections.Arrays.Transformations.partitionArrayOfPrimitives\n */\npublic inline fun
BooleanArray.partition(predicate: (Boolean) -> Boolean): Pair<List<Boolean>, List<Boolean>> {\n    val first =
ArrayList<Boolean>()\n    val second = ArrayList<Boolean>()\n    for (element in this) {\n        if
(predicate(element)) {\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n
return Pair(first, second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains

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elements for which [predicate] yielded `true`,\n \* while \*second\* list contains elements for which [predicate] yielded `false`.\n \* \n \* @sample samples.collections.Arrays.Transformations.partitionArrayOfPrimitives\n \*/\npublic inline fun CharArray.partition(predicate: (Char) -> Boolean): Pair<List<Char>, List<Char>> {\n val first = ArrayList<Char>()\n val second = ArrayList<Char>()\n for (element in this) {\n if (predicate(element)) {\n first.add(element)\n } else {\n second.add(element)\n }\n }\n return Pair(first, second)\n }\n\n/\*\*\n \* Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample samples.collections.Iterables.Operations.zipIterable\n \*/\npublic infix fun <T, R> Array<out T>.zip(other: Array<out R>): List<Pair<T, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n }\n\n/\*\*\n \* Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample samples.collections.Iterables.Operations.zipIterable\n \*/\npublic infix fun <R> ByteArray.zip(other: Array<out R>): List<Pair<Byte, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n }\n\n/\*\*\n \* Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample samples.collections.Iterables.Operations.zipIterable\n \*/\npublic infix fun <R> ShortArray.zip(other: Array<out R>): List<Pair<Short, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n }\n\n/\*\*\n \* Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample samples.collections.Iterables.Operations.zipIterable\n \*/\npublic infix fun <R> IntArray.zip(other: Array<out R>): List<Pair<Int, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n }\n\n/\*\*\n \* Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample samples.collections.Iterables.Operations.zipIterable\n \*/\npublic infix fun <R> LongArray.zip(other: Array<out R>): List<Pair<Long, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n }\n\n/\*\*\n \* Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample samples.collections.Iterables.Operations.zipIterable\n \*/\npublic infix fun <R> FloatArray.zip(other: Array<out R>): List<Pair<Float, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n }\n\n/\*\*\n \* Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample samples.collections.Iterables.Operations.zipIterable\n \*/\npublic infix fun <R> DoubleArray.zip(other: Array<out R>): List<Pair<Double, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n }\n\n/\*\*\n \* Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample samples.collections.Iterables.Operations.zipIterable\n \*/\npublic infix fun <R> BooleanArray.zip(other: Array<out R>): List<Pair<Boolean, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n }\n\n/\*\*\n \* Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample samples.collections.Iterables.Operations.zipIterable\n \*/\npublic infix fun <R> CharArray.zip(other: Array<out R>): List<Pair<Char, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n }\n\n/\*\*\n \* Returns a list of values built from the elements of `this` array and the [other] array with the same index\n \* using the provided [transform] function applied to each pair of elements.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n \*/\npublic inline fun <T, R, V> Array<out T>.zip(other: Array<out R>, transform: (a: T, b: R) -> V): List<V> {\n val size = minOf(size, other.size)\n val list = ArrayList<V>(size)\n for (i in 0 until size) {\n list.add(transform(this[i], other[i]))\n }\n return list\n }\n\n/\*\*\n \* Returns a list of values built from the elements of `this` array and the [other] array with the same index\n \* using the provided [transform] function applied to each pair of elements.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n \*/\npublic inline fun <R, V> ByteArray.zip(other: Array<out R>, transform: (a: Byte, b: R) -> V): List<V> {\n val size = minOf(size, other.size)\n val list = ArrayList<V>(size)\n for (i in 0 until size) {\n list.add(transform(this[i], other[i]))\n }\n return list\n }\n\n/\*\*\n \* Returns a list of values built from the elements

of `this` array and the [other] array with the same index\n \* using the provided [transform] function applied to each pair of elements.\n \* The returned list has length of the shortest collection.\n \* \n \* @sample

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samples.collections.Iterables.Operations.zipIterableWithTransform\n * \npublic inline fun <R, V>
ShortArray.zip(other: Array<out R>, transform: (a: Short, b: R) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n * \npublic inline fun <R, V>
IntArray.zip(other: Array<out R>, transform: (a: Int, b: R) -> V): List<V> {\n    val size = minOf(size, other.size)\n
val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n    }\n    return
list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array with the same
index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has length
of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n * \npublic inline fun <R, V> LongArray.zip(other: Array<out R>, transform: (a: Long, b: R) -> V): List<V> {\n
val size = minOf(size, other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n
list.add(transform(this[i], other[i]))\n    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements
of `this` array and the [other] array with the same index\n * using the provided [transform] function applied to each
pair of elements.\n * The returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n * \npublic inline fun <R, V>
FloatArray.zip(other: Array<out R>, transform: (a: Float, b: R) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
}\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
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samples.collections.Iterables.Operations.zipIterableWithTransform\n * \npublic inline fun <R, V>
DoubleArray.zip(other: Array<out R>, transform: (a: Double, b: R) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
}\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest collection.\n * \n * @sample
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BooleanArray.zip(other: Array<out R>, transform: (a: Boolean, b: R) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
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CharArray.zip(other: Array<out R>, transform: (a: Char, b: R) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
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the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n * \npublic infix fun <T, R> Array<out T>.zip(other:
Iterable<R>): List<Pair<T, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built
from the elements of `this` collection and [other] array with the same index.\n * The returned list has length of the
shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n * \npublic infix fun <R>
ByteArray.zip(other: Iterable<R>): List<Pair<Byte, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n *
Returns a list of pairs built from the elements of `this` collection and [other] array with the same index.\n * The

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returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n * \n public infix fun <R> ShortArray.zip(other: Iterable<R>):
List<Pair<Short, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the
elements of `this` collection and [other] array with the same index.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n * \n public infix fun <R>
IntArray.zip(other: Iterable<R>): List<Pair<Int, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n *
Returns a list of pairs built from the elements of `this` collection and [other] array with the same index.\n * The
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List<Pair<Long, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the
elements of `this` collection and [other] array with the same index.\n * The returned list has length of the shortest
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FloatArray.zip(other: Iterable<R>): List<Pair<Float, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n *
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Iterable<R>): List<Pair<Double, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs
built from the elements of `this` collection and [other] array with the same index.\n * The returned list has length of
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<R> BooleanArray.zip(other: Iterable<R>): List<Pair<Boolean, R>> {\n    return zip(other) { t1, t2 -> t1 to t2
}\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` collection and [other] array with the same
index.\n * The returned list has length of the shortest collection.\n * \n * @sample
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List<Pair<Char, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of values built from the
elements of `this` array and the [other] collection with the same index\n * using the provided [transform] function
applied to each pair of elements.\n * The returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n * \n public inline fun <T, R, V> Array<out
T>.zip(other: Iterable<R>, transform: (a: T, b: R) -> V): List<V> {\n    val arraySize = size\n    val list =
ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other) {\n
if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n * Returns a
list of values built from the elements of `this` array and the [other] collection with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n * \n public inline
fun <R, V> ByteArray.zip(other: Iterable<R>, transform: (a: Byte, b: R) -> V): List<V> {\n    val arraySize = size\n
val list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in
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inline fun <R, V> ShortArray.zip(other: Iterable<R>, transform: (a: Short, b: R) -> V): List<V> {\n    val arraySize =
size\n    val list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for
(element in other) {\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return
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samples.collections.Iterables.Operations.zipIterableWithTransform\n * \n public inline fun <R, V>
IntArray.zip(other: Iterable<R>, transform: (a: Int, b: R) -> V): List<V> {\n    val arraySize = size\n    val list =
ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other) {\n

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if (i >= arraySize) break\n    list.add(transform(this[i++], element))\n } return list\n}\n\n/**\n * Returns a
list of values built from the elements of `this` array and the [other] collection with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline
fun <R, V> LongArray.zip(other: Iterable<R>, transform: (a: Long, b: R) -> V): List<V> {\n    val arraySize =
size\n    val list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element
in other) {\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return
list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] collection with the
same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has
length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <R, V>
FloatArray.zip(other: Iterable<R>, transform: (a: Float, b: R) -> V): List<V> {\n    val arraySize = size\n    val list =
ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other) {\n
if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n * Returns a
list of values built from the elements of `this` array and the [other] collection with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline
fun <R, V> DoubleArray.zip(other: Iterable<R>, transform: (a: Double, b: R) -> V): List<V> {\n    val arraySize =
size\n    val list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element
in other) {\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return
list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] collection with the
same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has
length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <R, V>
BooleanArray.zip(other: Iterable<R>, transform: (a: Boolean, b: R) -> V): List<V> {\n    val arraySize = size\n    val
list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other)
{\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n *
Returns a list of values built from the elements of `this` array and the [other] collection with the same index\n *
using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic
inline fun <R, V> CharArray.zip(other: Iterable<R>, transform: (a: Char, b: R) -> V): List<V> {\n    val arraySize =
size\n    val list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element
in other) {\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return
list\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same
index.\n * The returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun ByteArray.zip(other: ByteArray):
List<Pair<Byte, Byte>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from
the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun
ShortArray.zip(other: ShortArray): List<Pair<Short, Short>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n *
Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The
returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun IntArray.zip(other: IntArray):
List<Pair<Int, Int>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the
elements of `this` array and the [other] array with the same index.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun
LongArray.zip(other: LongArray): List<Pair<Long, Long>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n *
Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The

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returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n * \n public infix fun FloatArray.zip(other: FloatArray):
List<Pair<Float, Float>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from
the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n * \n public infix fun
DoubleArray.zip(other: DoubleArray): List<Pair<Double, Double>> {\n    return zip(other) { t1, t2 -> t1 to t2
}\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same
index.\n * The returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n * \n public infix fun BooleanArray.zip(other: BooleanArray):
List<Pair<Boolean, Boolean>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built
from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n * \n public infix fun
CharArray.zip(other: CharArray): List<Pair<Char, Char>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n *
Returns a list of values built from the elements of `this` array and the [other] array with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
array.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n * \n public inline fun
<V> ByteArray.zip(other: ByteArray, transform: (a: Byte, b: Byte) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
}\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n * \n public inline fun <V>
ShortArray.zip(other: ShortArray, transform: (a: Short, b: Short) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
}\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n * \n public inline fun <V> IntArray.zip(other:
IntArray, transform: (a: Int, b: Int) -> V): List<V> {\n    val size = minOf(size, other.size)\n    val list =
ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n    }\n    return
list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array with the same
index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has length
of the shortest array.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n * \n public inline fun <V> LongArray.zip(other: LongArray, transform: (a: Long, b: Long) -> V): List<V> {\n    val
size = minOf(size, other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n
list.add(transform(this[i], other[i]))\n    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements
of `this` array and the [other] array with the same index\n * using the provided [transform] function applied to each
pair of elements.\n * The returned list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n * \n public inline fun <V>
FloatArray.zip(other: FloatArray, transform: (a: Float, b: Float) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
}\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n * \n public inline fun <V>
DoubleArray.zip(other: DoubleArray, transform: (a: Double, b: Double) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
}\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array

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with the same index\n \* using the provided [transform] function applied to each pair of elements.\n \* The returned list has length of the shortest array.\n \* \n \* @sample

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samples.collections.Iterables.Operations.zipIterableWithTransform\n *^\\npublic inline fun <V>
BooleanArray.zip(other: BooleanArray, transform: (a: Boolean, b: Boolean) -> V): List<V> {\\n    val size =
minOf(size, other.size)\\n    val list = ArrayList<V>(size)\\n    for (i in 0 until size) {\\n        list.add(transform(this[i],
other[i]))\\n    }\\n    return list\\n}\\n\\n/**\\n * Returns a list of values built from the elements of `this` array and the
[other] array with the same index\n * using the provided [transform] function applied to each pair of elements.\n *
The returned list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n *^\\npublic inline fun <V>
CharArray.zip(other: CharArray, transform: (a: Char, b: Char) -> V): List<V> {\\n    val size = minOf(size,
other.size)\\n    val list = ArrayList<V>(size)\\n    for (i in 0 until size) {\\n        list.add(transform(this[i], other[i]))\\n
    }\\n    return list\\n}\\n\\n/**\\n * Appends the string from all the elements separated using [separator] and using the
given [prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value
of [limit], in which case only the first [limit]\\n * elements will be appended, followed by the [truncated] string
(which defaults to `"...`").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n *^\\npublic fun
<T, A : Appendable> Array<out T>.joinTo(buffer: A, separator: CharSequence = ``, ``, prefix: CharSequence = ``,
postfix: CharSequence = ``, limit: Int = -1, truncated: CharSequence = `"...`", transform: ((T) -> CharSequence)? =
null): A {\\n    buffer.append(prefix)\\n    var count = 0\\n    for (element in this) {\\n        if (++count > 1)
buffer.append(separator)\\n        if (limit < 0 || count <= limit) {\\n            buffer.appendElement(element, transform)\\n
        } else break\\n    }\\n    if (limit >= 0 && count > limit) buffer.append(truncated)\\n    buffer.append(postfix)\\n
return buffer\\n}\\n\\n/**\\n * Appends the string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\\n * elements will be appended, followed by the [truncated] string (which
defaults to `"...`").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n *^\\npublic fun <A :
Appendable> ByteArray.joinTo(buffer: A, separator: CharSequence = ``, ``, prefix: CharSequence = ``, postfix:
CharSequence = ``, limit: Int = -1, truncated: CharSequence = `"...`", transform: ((Byte) -> CharSequence)? =
null): A {\\n    buffer.append(prefix)\\n    var count = 0\\n    for (element in this) {\\n        if (++count > 1)
buffer.append(separator)\\n        if (limit < 0 || count <= limit) {\\n            if (transform != null)\\n
buffer.append(transform(element))\\n            else\\n                buffer.append(element.toString())\\n        } else break\\n
    }\\n    if (limit >= 0 && count > limit) buffer.append(truncated)\\n    buffer.append(postfix)\\n    return
buffer\\n}\\n\\n/**\\n * Appends the string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\\n * elements will be appended, followed by the [truncated] string (which
defaults to `"...`").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n *^\\npublic fun <A :
Appendable> ShortArray.joinTo(buffer: A, separator: CharSequence = ``, ``, prefix: CharSequence = ``, postfix:
CharSequence = ``, limit: Int = -1, truncated: CharSequence = `"...`", transform: ((Short) -> CharSequence)? =
null): A {\\n    buffer.append(prefix)\\n    var count = 0\\n    for (element in this) {\\n        if (++count > 1)
buffer.append(separator)\\n        if (limit < 0 || count <= limit) {\\n            if (transform != null)\\n
buffer.append(transform(element))\\n            else\\n                buffer.append(element.toString())\\n        } else break\\n
    }\\n    if (limit >= 0 && count > limit) buffer.append(truncated)\\n    buffer.append(postfix)\\n    return
buffer\\n}\\n\\n/**\\n * Appends the string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\\n * elements will be appended, followed by the [truncated] string (which
defaults to `"...`").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n *^\\npublic fun <A :
Appendable> IntArray.joinTo(buffer: A, separator: CharSequence = ``, ``, prefix: CharSequence = ``, postfix:
CharSequence = ``, limit: Int = -1, truncated: CharSequence = `"...`", transform: ((Int) -> CharSequence)? = null):
A {\\n    buffer.append(prefix)\\n    var count = 0\\n    for (element in this) {\\n        if (++count > 1)
buffer.append(separator)\\n        if (limit < 0 || count <= limit) {\\n            if (transform != null)\\n

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null): A {
    buffer.append(prefix)
    var count = 0
    for (element in this) {
        if (++count > 1)
            buffer.append(separator)
        if (limit < 0 || count <= limit) {
            if (transform != null)
                buffer.append(transform(element))
            else
                buffer.append(element)
        } else break
    }
    if (limit >= 0 && count > limit)
        buffer.append(truncated)
    buffer.append(postfix)
    return buffer
}

Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").

@sample
samples.collections.Collections.Transformations.joinToString

public fun <T> Array<out T>.joinToString(separator: CharSequence = ", ", prefix: CharSequence = "", postfix: CharSequence = "", limit: Int = -1, truncated: CharSequence = "...", transform: ((T) -> CharSequence)? = null): String {
    return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()
}

Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").

@sample
samples.collections.Collections.Transformations.joinToString

public fun ByteArray.joinToString(separator: CharSequence = ", ", prefix: CharSequence = "", postfix: CharSequence = "", limit: Int = -1, truncated: CharSequence = "...", transform: ((Byte) -> CharSequence)? = null): String {
    return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()
}

Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").

@sample
samples.collections.Collections.Transformations.joinToString

public fun ShortArray.joinToString(separator: CharSequence = ", ", prefix: CharSequence = "", postfix: CharSequence = "", limit: Int = -1, truncated: CharSequence = "...", transform: ((Short) -> CharSequence)? = null): String {
    return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()
}

Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").

@sample
samples.collections.Collections.Transformations.joinToString

public fun IntArray.joinToString(separator: CharSequence = ", ", prefix: CharSequence = "", postfix: CharSequence = "", limit: Int = -1, truncated: CharSequence = "...", transform: ((Int) -> CharSequence)? = null): String {
    return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()
}

Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").

@sample
samples.collections.Collections.Transformations.joinToString

public fun LongArray.joinToString(separator: CharSequence = ", ", prefix: CharSequence = "", postfix: CharSequence = "", limit: Int = -1, truncated: CharSequence = "...", transform: ((Long) -> CharSequence)? = null): String {
    return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()
}

Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").

@sample
samples.collections.Collections.Transformations.joinToString

public fun FloatArray.joinToString(separator: CharSequence = ", ", prefix: CharSequence = "", postfix: CharSequence = "", limit: Int = -1, truncated: CharSequence = "...", transform: ((Float) -> CharSequence)? = null): String {
    return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()
}

Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be

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appended, followed by the [truncated] string (which defaults to "...").\n * \n * @sample
samples.collections.Collections.Transformations.joinToString\n *^/npublic fun DoubleArray.joinToString(separator:
CharSequence = "\", \"", prefix: CharSequence = "\", postfix: CharSequence = "\", limit: Int = -1, truncated:
CharSequence = "...\", transform: ((Double) -> CharSequence)? = null): String {\n  return joinTo(StringBuilder(),
separator, prefix, postfix, limit, truncated, transform).toString()\n}\n\n/**\n * Creates a string from all the elements
separated using [separator] and using the given [prefix] and [postfix] if supplied.\n * \n * If the collection could be
huge, you can specify a non-negative value of [limit], in which case only the first [limit]\n * elements will be
appended, followed by the [truncated] string (which defaults to "...").\n * \n * @sample
samples.collections.Collections.Transformations.joinToString\n *^/npublic fun
BooleanArray.joinToString(separator: CharSequence = "\", \"", prefix: CharSequence = "\", postfix: CharSequence =
\"\", limit: Int = -1, truncated: CharSequence = "...\", transform: ((Boolean) -> CharSequence)? = null): String {\n
return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()\n}\n\n/**\n * Creates
a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.\n * \n
* If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first
[limit]\n * elements will be appended, followed by the [truncated] string (which defaults to "...").\n * \n * @sample
samples.collections.Collections.Transformations.joinToString\n *^/npublic fun CharArray.joinToString(separator:
CharSequence = "\", \"", prefix: CharSequence = "\", postfix: CharSequence = "\", limit: Int = -1, truncated:
CharSequence = "...\", transform: ((Char) -> CharSequence)? = null): String {\n  return joinTo(StringBuilder(),
separator, prefix, postfix, limit, truncated, transform).toString()\n}\n\n/**\n * Creates an [Iterable] instance that
wraps the original array returning its elements when being iterated.\n *^/npublic fun <T> Array<out T>.asIterable():
Iterable<T> {\n  if (isEmpty()) return emptyList()\n  return Iterable { this.iterator() }\n}\n\n/**\n * Creates an
[Iterable] instance that wraps the original array returning its elements when being iterated.\n *^/npublic fun
ByteArray.asIterable(): Iterable<Byte> {\n  if (isEmpty()) return emptyList()\n  return Iterable { this.iterator()
}\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its elements when being
iterated.\n *^/npublic fun ShortArray.asIterable(): Iterable<Short> {\n  if (isEmpty()) return emptyList()\n  return
Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its
elements when being iterated.\n *^/npublic fun IntArray.asIterable(): Iterable<Int> {\n  if (isEmpty()) return
emptyList()\n  return Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original
array returning its elements when being iterated.\n *^/npublic fun LongArray.asIterable(): Iterable<Long> {\n  if
(isEmpty()) return emptyList()\n  return Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that
wraps the original array returning its elements when being iterated.\n *^/npublic fun FloatArray.asIterable():
Iterable<Float> {\n  if (isEmpty()) return emptyList()\n  return Iterable { this.iterator() }\n}\n\n/**\n * Creates an
[Iterable] instance that wraps the original array returning its elements when being iterated.\n *^/npublic fun
DoubleArray.asIterable(): Iterable<Double> {\n  if (isEmpty()) return emptyList()\n  return Iterable {
this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its elements when
being iterated.\n *^/npublic fun BooleanArray.asIterable(): Iterable<Boolean> {\n  if (isEmpty()) return
emptyList()\n  return Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original
array returning its elements when being iterated.\n *^/npublic fun CharArray.asIterable(): Iterable<Char> {\n  if
(isEmpty()) return emptyList()\n  return Iterable { this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that
wraps the original array returning its elements when being iterated.\n * \n * @sample
samples.collections.Sequences.Building.sequenceFromArray\n *^/npublic fun <T> Array<out T>.asSequence():
Sequence<T> {\n  if (isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n/**\n *
Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n *
@sample samples.collections.Sequences.Building.sequenceFromArray\n *^/npublic fun ByteArray.asSequence():
Sequence<Byte> {\n  if (isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n/**\n *
Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n *
@sample samples.collections.Sequences.Building.sequenceFromArray\n *^/npublic fun ShortArray.asSequence():
Sequence<Short> {\n  if (isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n/**\n *

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Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n *
@sample samples.collections.Sequences.Building.sequenceFromArray\n *^\npublic fun IntArray.asSequence():
Sequence<Int> {\n  if (isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n/**\n *
Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n *
@sample samples.collections.Sequences.Building.sequenceFromArray\n *^\npublic fun LongArray.asSequence():
Sequence<Long> {\n  if (isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n/**\n *
Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n *
@sample samples.collections.Sequences.Building.sequenceFromArray\n *^\npublic fun FloatArray.asSequence():
Sequence<Float> {\n  if (isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n/**\n *
Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n *
@sample samples.collections.Sequences.Building.sequenceFromArray\n *^\npublic fun DoubleArray.asSequence():
Sequence<Double> {\n  if (isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n/**\n *
Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n *
@sample samples.collections.Sequences.Building.sequenceFromArray\n *^\npublic fun
BooleanArray.asSequence(): Sequence<Boolean> {\n  if (isEmpty()) return emptySequence()\n  return Sequence
{ this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original array returning its elements
when being iterated.\n * \n * @sample samples.collections.Sequences.Building.sequenceFromArray\n *^\npublic
fun CharArray.asSequence(): Sequence<Char> {\n  if (isEmpty()) return emptySequence()\n  return Sequence {
this.iterator() }\n}\n\n/**\n * Returns an average value of elements in the array.\n
*^\n@kotlin.jvm.JvmName("averageOfByte")\npublic fun Array<out Byte>.average(): Double {\n  var sum:
Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return
if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n
*^\n@kotlin.jvm.JvmName("averageOfShort")\npublic fun Array<out Short>.average(): Double {\n  var sum:
Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return
if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n
*^\n@kotlin.jvm.JvmName("averageOfInt")\npublic fun Array<out Int>.average(): Double {\n  var sum: Double
= 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return if (count
== 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n
*^\n@kotlin.jvm.JvmName("averageOfLong")\npublic fun Array<out Long>.average(): Double {\n  var sum:
Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return
if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n
*^\n@kotlin.jvm.JvmName("averageOfFloat")\npublic fun Array<out Float>.average(): Double {\n  var sum:
Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return
if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n
*^\n@kotlin.jvm.JvmName("averageOfDouble")\npublic fun Array<out Double>.average(): Double {\n  var sum:
Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return
if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n
*^\npublic fun ByteArray.average(): Double {\n  var sum: Double = 0.0\n  var count: Int = 0\n  for (element in
this) {\n    sum += element\n    ++count\n  }\n  return if (count == 0) Double.NaN else sum /
count\n}\n\n/**\n * Returns an average value of elements in the array.\n *^\npublic fun ShortArray.average():
Double {\n  var sum: Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n
++count\n  }\n  return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of
elements in the array.\n *^\npublic fun IntArray.average(): Double {\n  var sum: Double = 0.0\n  var count: Int =
0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return if (count == 0) Double.NaN else
sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n *^\npublic fun LongArray.average():
Double {\n  var sum: Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n
++count\n  }\n  return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of
elements in the array.\n *^\npublic fun FloatArray.average(): Double {\n  var sum: Double = 0.0\n  var count: Int

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= 0\n for (element in this) {\n sum += element\n ++count\n }\n return if (count == 0) Double.NaN
else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n */\npublic fun
DoubleArray.average(): Double {\n var sum: Double = 0.0\n var count: Int = 0\n for (element in this) {\n
sum += element\n ++count\n }\n return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns
the sum of all elements in the array.\n */\n@kotlin.jvm.JvmName("sumOfByte")\npublic fun Array<out
Byte>.sum(): Int {\n var sum: Int = 0\n for (element in this) {\n sum += element\n }\n return
sum\n}\n\n/**\n * Returns the sum of all elements in the array.\n
*/\n@kotlin.jvm.JvmName("sumOfShort")\npublic fun Array<out Short>.sum(): Int {\n var sum: Int = 0\n for
(element in this) {\n sum += element\n }\n return sum\n}\n\n/**\n * Returns the sum of all elements in the
array.\n */\n@kotlin.jvm.JvmName("sumOfInt")\npublic fun Array<out Int>.sum(): Int {\n var sum: Int = 0\n
for (element in this) {\n sum += element\n }\n return sum\n}\n\n/**\n * Returns the sum of all elements in
the array.\n */\n@kotlin.jvm.JvmName("sumOfLong")\npublic fun Array<out Long>.sum(): Long {\n var sum:
Long = 0L\n for (element in this) {\n sum += element\n }\n return sum\n}\n\n/**\n * Returns the sum of
all elements in the array.\n */\n@kotlin.jvm.JvmName("sumOfFloat")\npublic fun Array<out Float>.sum(): Float
{\n var sum: Float = 0.0f\n for (element in this) {\n sum += element\n }\n return sum\n}\n\n/**\n *
Returns the sum of all elements in the array.\n */\n@kotlin.jvm.JvmName("sumOfDouble")\npublic fun Array<out
Double>.sum(): Double {\n var sum: Double = 0.0\n for (element in this) {\n sum += element\n }\n
return sum\n}\n\n/**\n * Returns the sum of all elements in the array.\n */\npublic fun ByteArray.sum(): Int {\n
var sum: Int = 0\n for (element in this) {\n sum += element\n }\n return sum\n}\n\n/**\n * Returns the
sum of all elements in the array.\n */\npublic fun ShortArray.sum(): Int {\n var sum: Int = 0\n for (element
in this) {\n sum += element\n }\n return sum\n}\n\n/**\n * Returns the sum of all elements in the array.\n
*/\npublic fun IntArray.sum(): Int {\n var sum: Int = 0\n for (element in this) {\n sum += element\n }\n
return sum\n}\n\n/**\n * Returns the sum of all elements in the array.\n */\npublic fun LongArray.sum(): Long {\n
var sum: Long = 0L\n for (element in this) {\n sum += element\n }\n return sum\n}\n\n/**\n * Returns the
sum of all elements in the array.\n */\npublic fun FloatArray.sum(): Float {\n var sum: Float = 0.0f\n for
(element in this) {\n sum += element\n }\n return sum\n}\n\n/**\n * Returns the sum of all elements in the
array.\n */\npublic fun DoubleArray.sum(): Double {\n var sum: Double = 0.0\n for (element in this) {\n
sum += element\n }\n return sum\n}\n\n"/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("RangesKt")\n\npackage
kotlin.ranges\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\n\n/**\n * Returns a
random element from this range.\n * \n * @throws IllegalArgumentException if this range is empty.\n
*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun IntRange.random(): Int {\n return
random(Random)\n}\n\n/**\n * Returns a random element from this range.\n * \n * @throws
IllegalArgumentException if this range is empty.\n */\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic
inline fun LongRange.random(): Long {\n return random(Random)\n}\n\n/**\n * Returns a random element from
this range using the specified source of randomness.\n * \n * @throws IllegalArgumentException if this range is empty.\n
*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun CharRange.random(): Char {\n return
random(Random)\n}\n\n/**\n * Returns a random element from this range using the specified source of randomness.\n
*/\n@SinceKotlin("1.3")\npublic fun IntRange.random(random: Random): Int {\n try {\n return
random.nextInt(this)\n } catch (e: IllegalArgumentException) {\n throw
NoSuchElementException(e.message)\n }\n}\n\n/**\n * Returns a random element from this range using the
specified source of randomness.\n * \n * @throws IllegalArgumentException if this range is empty.\n
*/\n@SinceKotlin("1.3")\npublic fun LongRange.random(random: Random): Long {\n try {\n return
random.nextLong(this)\n } catch (e: IllegalArgumentException) {\n throw

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NoSuchElementException(e.message)\n    }\n}\n\n/**\n * Returns a random element from this range using the
specified source of randomness.\n * \n * @throws IllegalArgumentException if this range is empty.\n
*\n@SinceKotlin("1.3")\npublic fun CharRange.random(random: Random): Char {\n    try {\n        return
random.nextInt(first.code, last.code + 1).toChar()\n    } catch(e: IllegalArgumentException) {\n        throw
NoSuchElementException(e.message)\n    }\n}\n\n/**\n * Returns a random element from this range, or `null` if this
range is empty.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun IntRange.randomOrNull(): Int? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a random
element from this range, or `null` if this range is empty.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun LongRange.randomOrNull(): Long? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a
random element from this range, or `null` if this range is empty.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun CharRange.randomOrNull(): Char? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a
random element from this range using the specified source of randomness, or `null` if this range is empty.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
IntRange.randomOrNull(random: Random): Int? {\n    if (isEmpty())\n        return null\n    return
random.nextInt(this)\n}\n\n/**\n * Returns a random element from this range using the specified source of
randomness, or `null` if this range is empty.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
LongRange.randomOrNull(random: Random): Long? {\n    if (isEmpty())\n        return null\n    return
random.nextLong(this)\n}\n\n/**\n * Returns a random element from this range using the specified source of
randomness, or `null` if this range is empty.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
CharRange.randomOrNull(random: Random): Char? {\n    if (isEmpty())\n        return null\n    return
random.nextInt(first.code, last.code + 1).toChar()\n}\n\n/**\n * Returns `true` if this range contains the specified
[element].\n * \n * Always returns `false` if the [element] is `null`.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline operator fun IntRange.contains(element:
Int?): Boolean {\n    return element != null && contains(element)\n}\n\n/**\n * Returns `true` if this range contains
the specified [element].\n * \n * Always returns `false` if the [element] is `null`.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline operator fun LongRange.contains(element:
Long?): Boolean {\n    return element != null && contains(element)\n}\n\n/**\n * Returns `true` if this range
contains the specified [element].\n * \n * Always returns `false` if the [element] is `null`.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline operator fun CharRange.contains(element:
Char?): Boolean {\n    return element != null && contains(element)\n}\n\n/**\n * Checks if the specified [value]
belongs to this range.\n * \n@kotlin.jvm.JvmName("intRangeContains")\npublic operator fun
ClosedRange<Int>.contains(value: Byte): Boolean {\n    return contains(value.toInt())\n}\n\n/**\n * Checks if the
specified [value] belongs to this range.\n * \n@kotlin.jvm.JvmName("longRangeContains")\npublic operator fun
ClosedRange<Long>.contains(value: Byte): Boolean {\n    return contains(value.toLong())\n}\n\n/**\n * Checks if
the specified [value] belongs to this range.\n * \n@kotlin.jvm.JvmName("shortRangeContains")\npublic operator
fun ClosedRange<Short>.contains(value: Byte): Boolean {\n    return contains(value.toShort())\n}\n\n/**\n *
Checks if the specified [value] belongs to this range.\n * \n@Deprecated("This `contains` operation mixing integer
and floating point arguments has ambiguous semantics and is going to be
removed.")\n@DeprecatedSinceKotlin(warningSince = "1.3", errorSince = "1.4", hiddenSince =
"1.5")\n@kotlin.jvm.JvmName("doubleRangeContains")\npublic operator fun
ClosedRange<Double>.contains(value: Byte): Boolean {\n    return contains(value.toDouble())\n}\n\n/**\n *
Checks if the specified [value] belongs to this range.\n * \n@Deprecated("This `contains` operation mixing integer
and floating point arguments has ambiguous semantics and is going to be

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removed.\")\n@DeprecatedSinceKotlin(warningSince = \"1.3\", errorSince = \"1.4\", hiddenSince = \"1.5\")\n@kotlin.jvm.JvmName(\"floatRangeContains\")\npublic operator fun ClosedRange<Float>.contains(value: Byte): Boolean {\n return contains(value.toFloat())\n}\n\n\*\*\n \* Checks if the specified [value] belongs to this range.\n \*\n@Deprecated(\"This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.\")\n@DeprecatedSinceKotlin(warningSince = \"1.3\", errorSince = \"1.4\", hiddenSince = \"1.5\")\n@kotlin.jvm.JvmName(\"intRangeContains\")\npublic operator fun ClosedRange<Int>.contains(value: Double): Boolean {\n return value.toIntExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n\*\*\n \* Checks if the specified [value] belongs to this range.\n \*\n@Deprecated(\"This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.\")\n@DeprecatedSinceKotlin(warningSince = \"1.3\", errorSince = \"1.4\", hiddenSince = \"1.5\")\n@kotlin.jvm.JvmName(\"longRangeContains\")\npublic operator fun ClosedRange<Long>.contains(value: Double): Boolean {\n return value.toLongExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n\*\*\n \* Checks if the specified [value] belongs to this range.\n \*\n@Deprecated(\"This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.\")\n@DeprecatedSinceKotlin(warningSince = \"1.3\", errorSince = \"1.4\", hiddenSince = \"1.5\")\n@kotlin.jvm.JvmName(\"byteRangeContains\")\npublic operator fun ClosedRange<Byte>.contains(value: Double): Boolean {\n return value.toByteExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n\*\*\n \* Checks if the specified [value] belongs to this range.\n \*\n@Deprecated(\"This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.\")\n@DeprecatedSinceKotlin(warningSince = \"1.3\", errorSince = \"1.4\", hiddenSince = \"1.5\")\n@kotlin.jvm.JvmName(\"shortRangeContains\")\npublic operator fun ClosedRange<Short>.contains(value: Double): Boolean {\n return value.toShortExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n\*\*\n \* Checks if the specified [value] belongs to this range.\n \*\n@kotlin.jvm.JvmName(\"floatRangeContains\")\npublic operator fun ClosedRange<Float>.contains(value: Double): Boolean {\n return contains(value.toFloat())\n}\n\n\*\*\n \* Checks if the specified [value] belongs to this range.\n \*\n@Deprecated(\"This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.\")\n@DeprecatedSinceKotlin(warningSince = \"1.3\", errorSince = \"1.4\", hiddenSince = \"1.5\")\n@kotlin.jvm.JvmName(\"intRangeContains\")\npublic operator fun ClosedRange<Int>.contains(value: Float): Boolean {\n return value.toIntExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n\*\*\n \* Checks if the specified [value] belongs to this range.\n \*\n@Deprecated(\"This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.\")\n@DeprecatedSinceKotlin(warningSince = \"1.3\", errorSince = \"1.4\", hiddenSince = \"1.5\")\n@kotlin.jvm.JvmName(\"longRangeContains\")\npublic operator fun ClosedRange<Long>.contains(value: Float): Boolean {\n return value.toLongExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n\*\*\n \* Checks if the specified [value] belongs to this range.\n \*\n@Deprecated(\"This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.\")\n@DeprecatedSinceKotlin(warningSince = \"1.3\", errorSince = \"1.4\", hiddenSince = \"1.5\")\n@kotlin.jvm.JvmName(\"byteRangeContains\")\npublic operator fun ClosedRange<Byte>.contains(value: Float): Boolean {\n return value.toByteExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n\*\*\n \* Checks if the specified [value] belongs to this range.\n \*\n@Deprecated(\"This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.\")\n@DeprecatedSinceKotlin(warningSince = \"1.3\", errorSince = \"1.4\", hiddenSince = \"1.5\")\n@kotlin.jvm.JvmName(\"shortRangeContains\")\npublic operator fun ClosedRange<Short>.contains(value: Float): Boolean {\n return value.toShortExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n\*\*\n \* Checks if the specified [value] belongs to this range.\n \*\n@kotlin.jvm.JvmName(\"doubleRangeContains\")\npublic operator fun ClosedRange<Double>.contains(value: Float): Boolean {\n return contains(value.toDouble())\n}\n\n\*\*\n \* Checks if the specified [value] belongs to this range.\n \*\n@kotlin.jvm.JvmName(\"longRangeContains\")\npublic operator fun

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ClosedRange<Long>.contains(value: Int): Boolean {
    return contains(value.toLong())
}
/**
 * Checks if the
specified [value] belongs to this range.
*/
@kotlin.jvm.JvmName("byteRangeContains")
public operator fun
ClosedRange<Byte>.contains(value: Int): Boolean {
    return value.toByteExactOrNull().let { if (it != null)
contains(it) else false }
}
/**
 * Checks if the specified [value] belongs to this range.
*/
@kotlin.jvm.JvmName("shortRangeContains")
public operator fun ClosedRange<Short>.contains(value: Int):
Boolean {
    return value.toShortExactOrNull().let { if (it != null) contains(it) else false }
}
/**
 * Checks if
the specified [value] belongs to this range.
*/
@Deprecated("This `contains` operation mixing integer and
floating point arguments has ambiguous semantics and is going to be
removed.")
@DeprecatedSinceKotlin(warningSince = "1.3", errorSince = "1.4", hiddenSince =
"1.5")
@kotlin.jvm.JvmName("doubleRangeContains")
public operator fun
ClosedRange<Double>.contains(value: Int): Boolean {
    return contains(value.toDouble())
}
/**
 * Checks
if the specified [value] belongs to this range.
*/
@Deprecated("This `contains` operation mixing integer and
floating point arguments has ambiguous semantics and is going to be
removed.")
@DeprecatedSinceKotlin(warningSince = "1.3", errorSince = "1.4", hiddenSince =
"1.5")
@kotlin.jvm.JvmName("floatRangeContains")
public operator fun ClosedRange<Float>.contains(value:
Int): Boolean {
    return contains(value.toFloat())
}
/**
 * Checks if the specified [value] belongs to this
range.
*/
@kotlin.jvm.JvmName("intRangeContains")
public operator fun ClosedRange<Int>.contains(value:
Long): Boolean {
    return value.toIntExactOrNull().let { if (it != null) contains(it) else false }
}
/**
 *
Checks if the specified [value] belongs to this range.
*/
@kotlin.jvm.JvmName("byteRangeContains")
public
operator fun ClosedRange<Byte>.contains(value: Long): Boolean {
    return value.toByteExactOrNull().let { if (it != null) contains(it) else false }
}
/**
 * Checks if the specified [value] belongs to this range.
*/
@kotlin.jvm.JvmName("shortRangeContains")
public operator fun ClosedRange<Short>.contains(value:
Long): Boolean {
    return value.toShortExactOrNull().let { if (it != null) contains(it) else false }
}
/**
 * Checks if the specified [value] belongs to this range.
*/
@Deprecated("This `contains` operation mixing integer
and floating point arguments has ambiguous semantics and is going to be
removed.")
@DeprecatedSinceKotlin(warningSince = "1.3", errorSince = "1.4", hiddenSince =
"1.5")
@kotlin.jvm.JvmName("doubleRangeContains")
public operator fun
ClosedRange<Double>.contains(value: Long): Boolean {
    return contains(value.toDouble())
}
/**
 * Checks
if the specified [value] belongs to this range.
*/
@Deprecated("This `contains` operation mixing integer
and floating point arguments has ambiguous semantics and is going to be
removed.")
@DeprecatedSinceKotlin(warningSince = "1.3", errorSince = "1.4", hiddenSince =
"1.5")
@kotlin.jvm.JvmName("floatRangeContains")
public operator fun ClosedRange<Float>.contains(value:
Long): Boolean {
    return contains(value.toFloat())
}
/**
 * Checks if the specified [value] belongs to this
range.
*/
@kotlin.jvm.JvmName("intRangeContains")
public operator fun ClosedRange<Int>.contains(value:
Short): Boolean {
    return contains(value.toInt())
}
/**
 * Checks if the specified [value] belongs to this
range.
*/
@kotlin.jvm.JvmName("longRangeContains")
public operator fun
ClosedRange<Long>.contains(value: Short): Boolean {
    return contains(value.toLong())
}
/**
 * Checks if
the specified [value] belongs to this range.
*/
@kotlin.jvm.JvmName("byteRangeContains")
public operator
fun ClosedRange<Byte>.contains(value: Short): Boolean {
    return value.toByteExactOrNull().let { if (it != null)
contains(it) else false }
}
/**
 * Checks if the specified [value] belongs to this range.
*/
@Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics
and is going to be removed.")
@DeprecatedSinceKotlin(warningSince = "1.3", errorSince = "1.4", hiddenSince
= "1.5")
@kotlin.jvm.JvmName("doubleRangeContains")
public operator fun
ClosedRange<Double>.contains(value: Short): Boolean {
    return contains(value.toDouble())
}
/**
 * Checks
if the specified [value] belongs to this range.
*/
@Deprecated("This `contains` operation mixing integer
and floating point arguments has ambiguous semantics and is going to be
removed.")
@DeprecatedSinceKotlin(warningSince = "1.3", errorSince = "1.4", hiddenSince =
"1.5")
@kotlin.jvm.JvmName("floatRangeContains")
public operator fun ClosedRange<Float>.contains(value:

```



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progression from this value down to the specified [to] value with the step -1.\n * \n * The [to] value should be less
than or equal to `this` value.\n * If the [to] value is greater than `this` value the returned progression is empty.\n
*/\npublic infix fun Long.downTo(to: Short): LongProgression {\n    return LongProgression.fromClosedRange(this,
to.toLong(), -1L)\n}\n\n/**\n * Returns a progression from this value down to the specified [to] value with the step -
1.\n * \n * The [to] value should be less than or equal to `this` value.\n * If the [to] value is greater than `this` value
the returned progression is empty.\n */\npublic infix fun Byte.downTo(to: Short): IntProgression {\n    return
IntProgression.fromClosedRange(this.toInt(), to.toInt(), -1)\n}\n\n/**\n * Returns a progression from this value
down to the specified [to] value with the step -1.\n * \n * The [to] value should be less than or equal to `this` value.\n
* If the [to] value is greater than `this` value the returned progression is empty.\n */\npublic infix fun
Short.downTo(to: Short): IntProgression {\n    return IntProgression.fromClosedRange(this.toInt(), to.toInt(), -
1)\n}\n\n/**\n * Returns a progression that goes over the same range in the opposite direction with the same step.\n
*/\npublic fun IntProgression.reversed(): IntProgression {\n    return IntProgression.fromClosedRange(last, first, -
step)\n}\n\n/**\n * Returns a progression that goes over the same range in the opposite direction with the same
step.\n */\npublic fun LongProgression.reversed(): LongProgression {\n    return
LongProgression.fromClosedRange(last, first, -step)\n}\n\n/**\n * Returns a progression that goes over the same
range in the opposite direction with the same step.\n */\npublic fun CharProgression.reversed(): CharProgression {\n
    return CharProgression.fromClosedRange(last, first, -step)\n}\n\n/**\n * Returns a progression that goes over the
same range with the given step.\n */\npublic infix fun IntProgression.step(step: Int): IntProgression {\n
    checkStepIsPositive(step > 0, step)\n    return IntProgression.fromClosedRange(first, last, if (this.step > 0) step else -
step)\n}\n\n/**\n * Returns a progression that goes over the same range with the given step.\n */\npublic infix fun
LongProgression.step(step: Long): LongProgression {\n    checkStepIsPositive(step > 0, step)\n    return
LongProgression.fromClosedRange(first, last, if (this.step > 0) step else -step)\n}\n\n/**\n * Returns a progression
that goes over the same range with the given step.\n */\npublic infix fun CharProgression.step(step: Int):
CharProgression {\n    checkStepIsPositive(step > 0, step)\n    return CharProgression.fromClosedRange(first, last, if
(this.step > 0) step else -step)\n}\n\ninternal fun Int.toByteExactOrNull(): Byte? {\n    return if (this in
Byte.MIN_VALUE.toInt()..Byte.MAX_VALUE.toInt()) this.toByte() else null\n}\n\ninternal fun
Long.toByteExactOrNull(): Byte? {\n    return if (this in
Byte.MIN_VALUE.toLong()..Byte.MAX_VALUE.toLong()) this.toByte() else null\n}\n\ninternal fun
Short.toByteExactOrNull(): Byte? {\n    return if (this in
Byte.MIN_VALUE.toShort()..Byte.MAX_VALUE.toShort()) this.toByte() else null\n}\n\ninternal fun
Double.toByteExactOrNull(): Byte? {\n    return if (this in
Byte.MIN_VALUE.toDouble()..Byte.MAX_VALUE.toDouble()) this.toInt().toByte() else null\n}\n\ninternal fun
Float.toByteExactOrNull(): Byte? {\n    return if (this in
Byte.MIN_VALUE.toFloat()..Byte.MAX_VALUE.toFloat()) this.toInt().toByte() else null\n}\n\ninternal fun
Long.toIntExactOrNull(): Int? {\n    return if (this in Int.MIN_VALUE.toLong()..Int.MAX_VALUE.toLong())
this.toInt() else null\n}\n\ninternal fun Double.toIntExactOrNull(): Int? {\n    return if (this in
Int.MIN_VALUE.toDouble()..Int.MAX_VALUE.toDouble()) this.toInt() else null\n}\n\ninternal fun
Float.toIntExactOrNull(): Int? {\n    return if (this in Int.MIN_VALUE.toFloat()..Int.MAX_VALUE.toFloat())
this.toInt() else null\n}\n\ninternal fun Double.toLongExactOrNull(): Long? {\n    return if (this in
Long.MIN_VALUE.toDouble()..Long.MAX_VALUE.toDouble()) this.toLong() else null\n}\n\ninternal fun
Float.toLongExactOrNull(): Long? {\n    return if (this in
Long.MIN_VALUE.toFloat()..Long.MAX_VALUE.toFloat()) this.toLong() else null\n}\n\ninternal fun
Int.toShortExactOrNull(): Short? {\n    return if (this in Short.MIN_VALUE.toInt()..Short.MAX_VALUE.toInt())
this.toShort() else null\n}\n\ninternal fun Long.toShortExactOrNull(): Short? {\n    return if (this in
Short.MIN_VALUE.toLong()..Short.MAX_VALUE.toLong()) this.toShort() else null\n}\n\ninternal fun
Double.toShortExactOrNull(): Short? {\n    return if (this in
Short.MIN_VALUE.toDouble()..Short.MAX_VALUE.toDouble()) this.toInt().toShort() else null\n}\n\ninternal fun
Float.toShortExactOrNull(): Short? {\n    return if (this in
Short.MIN_VALUE.toFloat()..Short.MAX_VALUE.toFloat()) this.toInt().toShort() else null\n}\n\ninternal fun

```



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value if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtLeastComparable\n *^\npublic fun <T : Comparable<T>>
T.coerceAtLeast(minimumValue: T): T {\n    return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return this value if it's greater
than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtLeast\n *^\npublic fun Byte.coerceAtLeast(minimumValue: Byte):
Byte {\n    return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not less
than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the [minimumValue]
or the [minimumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtLeast\n
*^\npublic fun Short.coerceAtLeast(minimumValue: Short): Short {\n    return if (this < minimumValue)
minimumValue else this\n}\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n
* @return this value if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n
* @sample samples.comparisons.ComparableOps.coerceAtLeast\n *^\npublic fun Int.coerceAtLeast(minimumValue:
Int): Int {\n    return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not
less than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the
[minimumValue] or the [minimumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtLeast\n *^\npublic fun Long.coerceAtLeast(minimumValue: Long):
Long {\n    return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not less
than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the [minimumValue]
or the [minimumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtLeast\n
*^\npublic fun Float.coerceAtLeast(minimumValue: Float): Float {\n    return if (this < minimumValue)
minimumValue else this\n}\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n
* @return this value if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n
* @sample samples.comparisons.ComparableOps.coerceAtLeast\n *^\npublic fun
Double.coerceAtLeast(minimumValue: Double): Double {\n    return if (this < minimumValue) minimumValue else
this\n}\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this
value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMostComparable\n *^\npublic fun <T : Comparable<T>>
T.coerceAtMost(maximumValue: T): T {\n    return if (this > maximumValue) maximumValue else this\n}\n\n/**\n
* Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this value if it's less
than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMost\n *^\npublic fun Byte.coerceAtMost(maximumValue: Byte):
Byte {\n    return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this value is not
greater than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the
[maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMost\n *^\npublic fun Short.coerceAtMost(maximumValue: Short):
Short {\n    return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this value is not
greater than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the
[maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMost\n *^\npublic fun Int.coerceAtMost(maximumValue: Int): Int
{\n    return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this value is not greater
than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the [maximumValue] or
the [maximumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtMost\n
*^\npublic fun Long.coerceAtMost(maximumValue: Long): Long {\n    return if (this > maximumValue)
maximumValue else this\n}\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n *
\n * @return this value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n
* @sample samples.comparisons.ComparableOps.coerceAtMost\n *^\npublic fun
Float.coerceAtMost(maximumValue: Float): Float {\n    return if (this > maximumValue) maximumValue else

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this\n}\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this
value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMost\n */\npublic fun Double.coerceAtMost(maximumValue:
Double): Double {\n    return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this
value lies in the specified range [minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range,
or [minimumValue] if this value is less than [minimumValue], or [maximumValue] if this value is greater than
[maximumValue].\n * \n * @sample samples.comparisons.ComparableOps.coerceInComparable\n */\npublic fun
<T : Comparable<T>> T.coerceIn(minimumValue: T?, maximumValue: T?): T {\n    if (minimumValue !== null
&& maximumValue !== null) {\n        if (minimumValue > maximumValue) throw
IllegalArgumentOutOfRangeException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n        if (this < minimumValue) return minimumValue\n        if (this >
maximumValue) return maximumValue\n    }\n    else {\n        if (minimumValue !== null && this <
minimumValue) return minimumValue\n        if (maximumValue !== null && this > maximumValue) return
maximumValue\n    }\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n */\npublic fun Byte.coerceIn(minimumValue: Byte,
maximumValue: Byte): Byte {\n    if (minimumValue > maximumValue) throw
IllegalArgumentOutOfRangeException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n    if (this > maximumValue)
return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n */\npublic fun Short.coerceIn(minimumValue: Short,
maximumValue: Short): Short {\n    if (minimumValue > maximumValue) throw
IllegalArgumentOutOfRangeException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n    if (this > maximumValue)
return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n */\npublic fun Int.coerceIn(minimumValue: Int, maximumValue:
Int): Int {\n    if (minimumValue > maximumValue) throw IllegalArgumentOutOfRangeException("Cannot coerce value to an
empty range: maximum $maximumValue is less than minimum $minimumValue.")\n    if (this < minimumValue)
return minimumValue\n    if (this > maximumValue) return maximumValue\n    return this\n}\n\n/**\n * Ensures
that this value lies in the specified range [minimumValue]..[maximumValue].\n * \n * @return this value if it's in
the range, or [minimumValue] if this value is less than [minimumValue], or [maximumValue] if this value is greater
than [maximumValue].\n * \n * @sample samples.comparisons.ComparableOps.coerceIn\n */\npublic fun
Long.coerceIn(minimumValue: Long, maximumValue: Long): Long {\n    if (minimumValue > maximumValue)
throw IllegalArgumentOutOfRangeException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n    if (this > maximumValue)
return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n */\npublic fun Float.coerceIn(minimumValue: Float,
maximumValue: Float): Float {\n    if (minimumValue > maximumValue) throw
IllegalArgumentOutOfRangeException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n    if (this > maximumValue)
return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified range

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[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n *^\npublic fun Double.coerceIn(minimumValue: Double,
maximumValue: Double): Double {\n    if (minimumValue > maximumValue) throw
IllegalArgumentException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n    if (this > maximumValue)
return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified [range].\n * \n *
@return this value if it's in the [range], or `range.start` if this value is less than `range.start`, or `range.endInclusive`
if this value is greater than `range.endInclusive`.\n * \n * @sample
samples.comparisons.ComparableOps.coerceInFloatingPointRange\n *^\n@SinceKotlin("1.1")\npublic fun <T :
Comparable<T>> T.coerceIn(range: ClosedFloatingPointRange<T>): T {\n    if (range.isEmpty()) throw
IllegalArgumentException("Cannot coerce value to an empty range: $range.")\n    return when {\n        // this <
start equiv to this <= start && !(this >= start)\n        range.lessThanOrEqualTo(this, range.start) &&
!range.lessThanOrEqualTo(range.start, this) -> range.start\n        // this > end equiv to this >= end && !(this <= end)\n
range.lessThanOrEqualTo(range.endInclusive, this) && !range.lessThanOrEqualTo(this, range.endInclusive) ->
range.endInclusive\n        else -> this\n    }\n}\n\n/**\n * Ensures that this value lies in the specified [range].\n * \n *
@return this value if it's in the [range], or `range.start` if this value is less than `range.start`, or `range.endInclusive`
if this value is greater than `range.endInclusive`.\n * \n * @sample
samples.comparisons.ComparableOps.coerceInComparable\n *^\npublic fun <T : Comparable<T>>
T.coerceIn(range: ClosedRange<T>): T {\n    if (range is ClosedFloatingPointRange) {\n        return
this.coerceIn<T>(range)\n    }\n    if (range.isEmpty()) throw IllegalArgumentException("Cannot coerce value to an
empty range: $range.")\n    return when {\n        this < range.start -> range.start\n        this > range.endInclusive ->
range.endInclusive\n        else -> this\n    }\n}\n\n/**\n * Ensures that this value lies in the specified [range].\n * \n *
@return this value if it's in the [range], or `range.start` if this value is less than `range.start`, or `range.endInclusive`
if this value is greater than `range.endInclusive`.\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n *^\npublic fun Int.coerceIn(range: ClosedRange<Int>): Int {\n    if (range is ClosedFloatingPointRange) {\n
return this.coerceIn<Int>(range)\n    }\n    if (range.isEmpty()) throw IllegalArgumentException("Cannot coerce
value to an empty range: $range.")\n    return when {\n        this < range.start -> range.start\n        this >
range.endInclusive -> range.endInclusive\n        else -> this\n    }\n}\n\n/**\n * Ensures that this value lies in the
specified [range].\n * \n * @return this value if it's in the [range], or `range.start` if this value is less than
`range.start`, or `range.endInclusive` if this value is greater than `range.endInclusive`.\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n *^\npublic fun Long.coerceIn(range: ClosedRange<Long>): Long
{\n    if (range is ClosedFloatingPointRange) {\n        return this.coerceIn<Long>(range)\n    }\n    if
(range.isEmpty()) throw IllegalArgumentException("Cannot coerce value to an empty range: $range.")\n    return
when {\n        this < range.start -> range.start\n        this > range.endInclusive -> range.endInclusive\n        else ->
this\n    }\n}\n\n"/*\n * Copyright 2010-2022 JetBrains s.r.o. and Kotlin Programming Language contributors.\n *
Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *
^\n\n// Auto-generated file. DO NOT EDIT!\n\npackage kotlin\n\nimport kotlin.experimental.*\nimport
kotlin.jvm.*\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@JvmInline\npublic
value class UByte @PublishedApi internal constructor(@PublishedApi internal val data: Byte) :
Comparable<UByte> {\n    companion object {\n        /**\n         * A constant holding the minimum value an
instance of UByte can have.\n         *^\n         public const val MIN_VALUE: UByte = UByte(0)\n         /**\n         *
A constant holding the maximum value an instance of UByte can have.\n         *^\n         public const val
MAX_VALUE: UByte = UByte(-1)\n         /**\n         * The number of bytes used to represent an instance of
UByte in a binary form.\n         *^\n         public const val SIZE_BYTES: Int = 1\n         /**\n         * The number of
bits used to represent an instance of UByte in a binary form.\n         *^\n         public const val SIZE_BITS: Int = 8\n
}\n\n        /**\n         * Compares this value with the specified value for order.\n         * Returns zero if this value is equal to
the specified other value, a negative number if it's less than other,\n         * or a positive number if it's greater than

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other.\n    *^n @kotlin.internal.InlineOnly\n    @Suppress("OVERRIDE_BY_INLINE")\n    public override
inline operator fun compareTo(other: UByte): Int = this.toInt().compareTo(other.toInt())\n\n /**\n * Compares
this value with the specified value for order.\n * Returns zero if this value is equal to the specified other value, a
negative number if it's less than other,\n * or a positive number if it's greater than other.\n    *^n
@kotlin.internal.InlineOnly\n    public inline operator fun compareTo(other: UShort): Int =
this.toInt().compareTo(other.toInt())\n\n /**\n * Compares this value with the specified value for order.\n *
Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n * or a
positive number if it's greater than other.\n    *^n @kotlin.internal.InlineOnly\n    public inline operator fun
compareTo(other: UInt): Int = this.toUInt().compareTo(other)\n\n /**\n * Compares this value with the
specified value for order.\n * Returns zero if this value is equal to the specified other value, a negative number if
it's less than other,\n * or a positive number if it's greater than other.\n    *^n @kotlin.internal.InlineOnly\n
public inline operator fun compareTo(other: ULong): Int = this.toULong().compareTo(other)\n\n /** Adds the
other value to this value. *^n @kotlin.internal.InlineOnly\n    public inline operator fun plus(other: UByte): UInt =
this.toUInt().plus(other.toUInt())\n\n /** Adds the other value to this value. *^n @kotlin.internal.InlineOnly\n
public inline operator fun plus(other: UShort): UInt = this.toUInt().plus(other.toUInt())\n\n /** Adds the other value
to this value. *^n @kotlin.internal.InlineOnly\n    public inline operator fun plus(other: UInt): UInt =
this.toUInt().plus(other)\n\n /** Adds the other value to this value. *^n @kotlin.internal.InlineOnly\n    public
inline operator fun plus(other: ULong): ULong = this.toULong().plus(other)\n\n /** Subtracts the other value from
this value. *^n @kotlin.internal.InlineOnly\n    public inline operator fun minus(other: UByte): UInt =
this.toUInt().minus(other.toUInt())\n\n /** Subtracts the other value from this value. *^n
@kotlin.internal.InlineOnly\n    public inline operator fun minus(other: UShort): UInt =
this.toUInt().minus(other.toUInt())\n\n /** Subtracts the other value from this value. *^n
@kotlin.internal.InlineOnly\n    public inline operator fun minus(other: UInt): UInt = this.toUInt().minus(other)\n
/** Subtracts the other value from this value. *^n @kotlin.internal.InlineOnly\n    public inline operator fun
minus(other: ULong): ULong = this.toULong().minus(other)\n\n /** Multiplies this value by the other value. *^n
@kotlin.internal.InlineOnly\n    public inline operator fun times(other: UByte): UInt =
this.toUInt().times(other.toUInt())\n\n /** Multiplies this value by the other value. *^n
@kotlin.internal.InlineOnly\n    public inline operator fun times(other: UShort): UInt =
this.toUInt().times(other.toUInt())\n\n /** Multiplies this value by the other value. *^n
@kotlin.internal.InlineOnly\n    public inline operator fun times(other: UInt): UInt = this.toUInt().times(other)\n
/** Multiplies this value by the other value. *^n @kotlin.internal.InlineOnly\n    public inline operator fun
times(other: ULong): ULong = this.toULong().times(other)\n\n /** Divides this value by the other value,
truncating the result to an integer that is closer to zero. *^n @kotlin.internal.InlineOnly\n    public inline operator
fun div(other: UByte): UInt = this.toUInt().div(other.toUInt())\n\n /** Divides this value by the other value,
truncating the result to an integer that is closer to zero. *^n @kotlin.internal.InlineOnly\n    public inline operator
fun div(other: UShort): UInt = this.toUInt().div(other.toUInt())\n\n /** Divides this value by the other value,
truncating the result to an integer that is closer to zero. *^n @kotlin.internal.InlineOnly\n    public inline operator
fun div(other: UInt): UInt = this.toUInt().div(other)\n\n /** Divides this value by the other value, truncating the
result to an integer that is closer to zero. *^n @kotlin.internal.InlineOnly\n    public inline operator fun div(other:
ULong): ULong = this.toULong().div(other)\n\n /**\n * Calculates the remainder of truncating division of this
value by the other value.\n * \n * The result is always less than the divisor.\n    *^n
@kotlin.internal.InlineOnly\n    public inline operator fun rem(other: UByte): UInt =
this.toUInt().rem(other.toUInt())\n\n /**\n * Calculates the remainder of truncating division of this value by the
other value.\n * \n * The result is always less than the divisor.\n    *^n @kotlin.internal.InlineOnly\n    public
inline operator fun rem(other: UShort): UInt = this.toUInt().rem(other.toUInt())\n\n /**\n * Calculates the
remainder of truncating division of this value by the other value.\n * \n * The result is always less than the
divisor.\n    *^n @kotlin.internal.InlineOnly\n    public inline operator fun rem(other: UInt): UInt =
this.toUInt().rem(other)\n\n /**\n * Calculates the remainder of truncating division of this value by the other

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value.\n * \n * The result is always less than the divisor.\n */\n @kotlin.internal.InlineOnly\n public
inline operator fun rem(other: ULong): ULong = this.toULong().rem(other)\n\n /**\n * Divides this value by
the other value, flooring the result to an integer that is closer to negative infinity.\n * \n * For unsigned types,
the results of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n
public inline fun floorDiv(other: UByte): UInt = this.toUInt().floorDiv(other.toUInt())\n /**\n * Divides this
value by the other value, flooring the result to an integer that is closer to negative infinity.\n * \n * For unsigned
types, the results of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n
public inline fun floorDiv(other: UShort): UInt = this.toUInt().floorDiv(other.toUInt())\n /**\n * Divides this
value by the other value, flooring the result to an integer that is closer to negative infinity.\n * \n * For unsigned
types, the results of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n
public inline fun floorDiv(other: UInt): UInt = this.toUInt().floorDiv(other)\n /**\n * Divides this value by the
other value, flooring the result to an integer that is closer to negative infinity.\n * \n * For unsigned types, the
results of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n public
inline fun floorDiv(other: ULong): ULong = this.toULong().floorDiv(other)\n\n /**\n * Calculates the
remainder of flooring division of this value by the other value.\n * \n * The result is always less than the
divisor.\n * \n * For unsigned types, the remainders of flooring division and truncating division are the same.\n
*/\n @kotlin.internal.InlineOnly\n public inline fun mod(other: UByte): UByte =
this.toUInt().mod(other.toUInt()).toUByte()\n /**\n * Calculates the remainder of flooring division of this value
by the other value.\n * \n * The result is always less than the divisor.\n * \n * For unsigned types, the
remainders of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n
public inline fun mod(other: UShort): UShort = this.toUInt().mod(other.toUInt()).toUShort()\n /**\n *
Calculates the remainder of flooring division of this value by the other value.\n * \n * The result is always less
than the divisor.\n * \n * For unsigned types, the remainders of flooring division and truncating division are the
same.\n */\n @kotlin.internal.InlineOnly\n public inline fun mod(other: UInt): UInt =
this.toUInt().mod(other)\n /**\n * Calculates the remainder of flooring division of this value by the other
value.\n * \n * The result is always less than the divisor.\n * \n * For unsigned types, the remainders of
flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n public inline fun
mod(other: ULong): ULong = this.toULong().mod(other)\n\n /**\n * Returns this value incremented by one.\n
*/\n @sample samples.misc.Builtins.inc\n */\n @kotlin.internal.InlineOnly\n public inline operator fun
inc(): UByte = UByte(data.inc())\n\n /**\n * Returns this value decremented by one.\n */\n @sample
samples.misc.Builtins.dec\n */\n @kotlin.internal.InlineOnly\n public inline operator fun dec(): UByte =
UByte(data.dec())\n\n /**\n * Creates a range from this value to the specified [other] value.\n */\n
@kotlin.internal.InlineOnly\n public inline operator fun rangeTo(other: UByte): UIntRange =
UIntRange(this.toUInt(), other.toUInt())\n\n /**\n * Performs a bitwise AND operation between the two values.\n
*/\n @kotlin.internal.InlineOnly\n public inline infix fun and(other: UByte): UByte = UByte(this.data and other.data)\n
\n /**\n * Performs a bitwise OR operation between the two values.\n */\n @kotlin.internal.InlineOnly\n public inline
infix fun or(other: UByte): UByte = UByte(this.data or other.data)\n\n /**\n * Performs a bitwise XOR operation
between the two values.\n */\n @kotlin.internal.InlineOnly\n public inline infix fun xor(other: UByte): UByte =
UByte(this.data xor other.data)\n\n /**\n * Inverts the bits in this value.\n */\n @kotlin.internal.InlineOnly\n public
inline fun inv(): UByte = UByte(data.inv())\n\n /**\n * Converts this [UByte] value to [Byte].\n * \n * If
this value is less than or equals to [Byte.MAX_VALUE], the resulting `Byte` value represents\n * the same
numerical value as this `UByte`. Otherwise the result is negative.\n * \n * The resulting `Byte` value has the
same binary representation as this `UByte` value.\n */\n @kotlin.internal.InlineOnly\n public inline fun
toByte(): Byte = data\n\n /**\n * Converts this [UByte] value to [Short].\n * \n * The resulting `Short` value
represents the same numerical value as this `UByte`. \n * \n * The least significant 8 bits of the resulting `Short`
value are the same as the bits of this `UByte` value,\n * whereas the most significant 8 bits are filled with zeros.\n
*/\n @kotlin.internal.InlineOnly\n public inline fun toShort(): Short = data.toShort() and 0xFF\n\n /**\n *
Converts this [UByte] value to [Int].\n * \n * The resulting `Int` value represents the same numerical value as

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this `UByte`.n *n * The least significant 8 bits of the resulting `Int` value are the same as the bits of this
`UByte` value,n * whereas the most significant 24 bits are filled with zeros.n */n
@kotlin.internal.InlineOnlyn public inline fun toInt(): Int = data.toInt() and 0xFFn /**n * Converts this
[UByte] value to [Long].n *n * The resulting `Long` value represents the same numerical value as this
`UByte`.n *n * The least significant 8 bits of the resulting `Long` value are the same as the bits of this
`UByte` value,n * whereas the most significant 56 bits are filled with zeros.n */n
@kotlin.internal.InlineOnlyn public inline fun toLong(): Long = data.toLong() and 0xFFn\n /** Returns this
value. */n @kotlin.internal.InlineOnlyn public inline fun toUByte(): UByte = this\n /**n * Converts this
[UByte] value to [UShort].n *n * The resulting `UShort` value represents the same numerical value as this
`UByte`.n *n * The least significant 8 bits of the resulting `UShort` value are the same as the bits of this
`UByte` value,n * whereas the most significant 8 bits are filled with zeros.n */n
@kotlin.internal.InlineOnlyn public inline fun toUShort(): UShort = UShort(data.toShort() and 0xFF)\n /**n
* Converts this [UByte] value to [UInt].n *n * The resulting `UInt` value represents the same numerical value
as this `UByte`.n *n * The least significant 8 bits of the resulting `UInt` value are the same as the bits of this
`UByte` value,n * whereas the most significant 24 bits are filled with zeros.n */n
@kotlin.internal.InlineOnlyn public inline fun toUInt(): UInt = UInt(data.toInt() and 0xFF)\n /**n *
Converts this [UByte] value to [ULong].n *n * The resulting `ULong` value represents the same numerical
value as this `UByte`.n *n * The least significant 8 bits of the resulting `ULong` value are the same as the bits
of this `UByte` value,n * whereas the most significant 56 bits are filled with zeros.n */n
@kotlin.internal.InlineOnlyn public inline fun toULong(): ULong = ULong(data.toLong() and 0xFF)\n\n /**n
* Converts this [UByte] value to [Float].n *n * The resulting `Float` value represents the same numerical
value as this `UByte`.n */n @kotlin.internal.InlineOnlyn public inline fun toFloat(): Float =
this.toInt().toFloat()\n /**n * Converts this [UByte] value to [Double].n *n * The resulting `Double`
value represents the same numerical value as this `UByte`.n */n @kotlin.internal.InlineOnlyn public inline
fun toDouble(): Double = this.toInt().toDouble()\n\n public override fun toString(): String =
toInt().toString()\n}\n\n/**n * Converts this [Byte] value to [UByte].n *n * If this value is positive, the resulting
`UByte` value represents the same numerical value as this `Byte`.n *n * The resulting `UByte` value has the same
binary representation as this `Byte` value.n
*/n@SinceKotlin("1.5")n@WasExperimental(ExperimentalUnsignedTypes::class)n@kotlin.internal.InlineOnly\n
npublic inline fun Byte.toUByte(): UByte = UByte(this)\n/**n * Converts this [Short] value to [UByte].n *n * If
this value is positive and less than or equals to [UByte.MAX_VALUE], the resulting `UByte` value represents\n *
the same numerical value as this `Short`.n *n * The resulting `UByte` value is represented by the least significant 8
bits of this `Short` value.n
*/n@SinceKotlin("1.5")n@WasExperimental(ExperimentalUnsignedTypes::class)n@kotlin.internal.InlineOnly\n
npublic inline fun Short.toUByte(): UByte = UByte(this.toByte())\n/**n * Converts this [Int] value to [UByte].n
*n * If this value is positive and less than or equals to [UByte.MAX_VALUE], the resulting `UByte` value
represents\n * the same numerical value as this `Int`.n *n * The resulting `UByte` value is represented by the least
significant 8 bits of this `Int` value.n
*/n@SinceKotlin("1.5")n@WasExperimental(ExperimentalUnsignedTypes::class)n@kotlin.internal.InlineOnly\n
npublic inline fun Int.toUByte(): UByte = UByte(this.toByte())\n/**n * Converts this [Long] value to [UByte].n
*n * If this value is positive and less than or equals to [UByte.MAX_VALUE], the resulting `UByte` value
represents\n * the same numerical value as this `Long`.n *n * The resulting `UByte` value is represented by the
least significant 8 bits of this `Long` value.n
*/n@SinceKotlin("1.5")n@WasExperimental(ExperimentalUnsignedTypes::class)n@kotlin.internal.InlineOnly\n
npublic inline fun Long.toUByte(): UByte = UByte(this.toByte())\n","/**n * Copyright 2010-2022 JetBrains s.r.o.
and Kotlin Programming Language contributors.n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.n */n\n// Auto-generated file. DO NOT EDIT!\n\npackage
kotlin\n\nimport kotlin.experimental.*\nimport

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kotlin.jvm.*\n\n@SinceKotlin("1.5")\n\n@WasExperimental(ExperimentalUnsignedTypes::class)\n\n@JvmInline\n\npublic value class UInt @PublishedApi internal constructor(@PublishedApi internal val data: Int) :
Comparable<UInt> {\n\n    companion object {\n\n        /**\n         * A constant holding the minimum value an
instance of UInt can have.\n         */\n        public const val MIN_VALUE: UInt = UInt(0)\n\n        /**\n         * A
constant holding the maximum value an instance of UInt can have.\n         */\n        public const val MAX_VALUE:
UInt = UInt(-1)\n\n        /**\n         * The number of bytes used to represent an instance of UInt in a binary form.\n
        */\n        public const val SIZE_BYTES: Int = 4\n\n        /**\n         * The number of bits used to represent an
instance of UInt in a binary form.\n         */\n        public const val SIZE_BITS: Int = 32\n    }\n\n    /**\n     *
Compares this value with the specified value for order.\n     * Returns zero if this value is equal to the specified other
value, a negative number if it's less than other,\n     * or a positive number if it's greater than other.\n     */\n
    @kotlin.internal.InlineOnly\n    public inline operator fun compareTo(other: UByte): Int =
this.compareTo(other.toUInt())\n\n    /**\n     * Compares this value with the specified value for order.\n     *
Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n     * or a
positive number if it's greater than other.\n     */\n    @kotlin.internal.InlineOnly\n    public inline operator fun
compareTo(other: UShort): Int = this.compareTo(other.toUInt())\n\n    /**\n     * Compares this value with the
specified value for order.\n     * Returns zero if this value is equal to the specified other value, a negative number if
it's less than other,\n     * or a positive number if it's greater than other.\n     */\n    @kotlin.internal.InlineOnly\n
    @Suppress("OVERRIDE_BY_INLINE")\n    public override inline operator fun compareTo(other: UInt): Int =
uintCompare(this.data, other.data)\n\n    /**\n     * Compares this value with the specified value for order.\n     *
Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n     * or a
positive number if it's greater than other.\n     */\n    @kotlin.internal.InlineOnly\n    public inline operator fun
compareTo(other: ULong): Int = this.toULong().compareTo(other)\n\n    /**\n     * Adds the other value to this value. */\n
    @kotlin.internal.InlineOnly\n    public inline operator fun plus(other: UByte): UInt = this.plus(other.toUInt())\n
    /**\n     * Adds the other value to this value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun
plus(other:
UShort): UInt = this.plus(other.toUInt())\n    /**\n     * Adds the other value to this value. */\n    @kotlin.internal.InlineOnly\n
    public inline operator fun plus(other: UInt): UInt = UInt(this.data.plus(other.data))\n    /**\n     * Adds the
other value to this value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun plus(other:
ULong): ULong = this.toULong().plus(other)\n\n    /**\n     * Subtracts the other value from this value. */\n
    @kotlin.internal.InlineOnly\n    public inline operator fun minus(other: UByte): UInt = this.minus(other.toUInt())\n
    /**\n     * Subtracts the other value from this value. */\n    @kotlin.internal.InlineOnly\n    public inline operator
fun
minus(other: UShort): UInt = this.minus(other.toUInt())\n    /**\n     * Subtracts the other value from this value. */\n
    @kotlin.internal.InlineOnly\n    public inline operator fun minus(other: UInt): UInt =
UInt(this.data.minus(other.data))\n    /**\n     * Subtracts the other value from this value. */\n    @kotlin.internal.InlineOnly\n
    public inline operator fun minus(other: ULong): ULong =
this.toULong().minus(other)\n\n    /**\n     * Multiplies this value by the other value. */\n    @kotlin.internal.InlineOnly\n
    public inline operator fun times(other: UByte): UInt = this.times(other.toUInt())\n    /**\n     * Multiplies this
value by the
other value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun times(other: UShort): UInt =
this.times(other.toUInt())\n    /**\n     * Multiplies this value by the other value. */\n    @kotlin.internal.InlineOnly\n
    public inline operator fun times(other: UInt): UInt = UInt(this.data.times(other.data))\n    /**\n     * Multiplies
this value
by the other value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun times(other: ULong): ULong =
this.toULong().times(other)\n\n    /**\n     * Divides this value by the other value, truncating the result to an integer
that is
closer to zero. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun div(other: UByte): UInt =
this.div(other.toUInt())\n    /**\n     * Divides this value by the other value, truncating the result to an integer
that is
closer to zero. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun div(other: UShort): UInt =
this.div(other.toUInt())\n    /**\n     * Divides this value by the other value, truncating the result to an integer
that is
closer to zero. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun div(other: UInt): UInt =
uintDivide(this,
other)\n    /**\n     * Divides this value by the other value, truncating the result to an integer that is closer
to zero. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun div(other: ULong): ULong =

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this.toULong().div(other)\n\n /**\n * Calculates the remainder of truncating division of this value by the other
value.\n * \n * The result is always less than the divisor.\n */\n @kotlin.internal.InlineOnly\n public
inline operator fun rem(other: UByte): UInt = this.rem(other.toUInt())\n /**\n * Calculates the remainder of
truncating division of this value by the other value.\n * \n * The result is always less than the divisor.\n */\n
@kotlin.internal.InlineOnly\n public inline operator fun rem(other: UShort): UInt = this.rem(other.toUInt())\n
/**\n * Calculates the remainder of truncating division of this value by the other value.\n * \n * The result is
always less than the divisor.\n */\n @kotlin.internal.InlineOnly\n public inline operator fun rem(other: UInt):
UInt = uintRemainder(this, other)\n /**\n * Calculates the remainder of truncating division of this value by the
other value.\n * \n * The result is always less than the divisor.\n */\n @kotlin.internal.InlineOnly\n public
inline operator fun rem(other: ULong): ULong = this.toULong().rem(other)\n\n /**\n * Divides this value by
the other value, flooring the result to an integer that is closer to negative infinity.\n * \n * For unsigned types,
the results of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n
public inline fun floorDiv(other: UByte): UInt = this.floorDiv(other.toUInt())\n /**\n * Divides this value by the
other value, flooring the result to an integer that is closer to negative infinity.\n * \n * For unsigned types, the
results of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n public
inline fun floorDiv(other: UShort): UInt = this.floorDiv(other.toUInt())\n /**\n * Divides this value by the other
value, flooring the result to an integer that is closer to negative infinity.\n * \n * For unsigned types, the results
of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n public inline
fun floorDiv(other: UInt): UInt = div(other)\n /**\n * Divides this value by the other value, flooring the result to
an integer that is closer to negative infinity.\n * \n * For unsigned types, the results of flooring division and
truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n public inline fun floorDiv(other:
ULong): ULong = this.toULong().floorDiv(other)\n\n /**\n * Calculates the remainder of flooring division of
this value by the other value.\n * \n * The result is always less than the divisor.\n * \n * For unsigned
types, the remainders of flooring division and truncating division are the same.\n */\n
@kotlin.internal.InlineOnly\n public inline fun mod(other: UByte): UByte = this.mod(other.toUInt()).toUByte()\n
/**\n * Calculates the remainder of flooring division of this value by the other value.\n * \n * The result is
always less than the divisor.\n * \n * For unsigned types, the remainders of flooring division and truncating
division are the same.\n */\n @kotlin.internal.InlineOnly\n public inline fun mod(other: UShort): UShort =
this.mod(other.toUInt()).toUShort()\n /**\n * Calculates the remainder of flooring division of this value by the
other value.\n * \n * The result is always less than the divisor.\n * \n * For unsigned types, the remainders
of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n public inline
fun mod(other: UInt): UInt = rem(other)\n /**\n * Calculates the remainder of flooring division of this value by
the other value.\n * \n * The result is always less than the divisor.\n * \n * For unsigned types, the
remainders of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n
public inline fun mod(other: ULong): ULong = this.toULong().mod(other)\n\n /**\n * Returns this value
incremented by one.\n * \n * @sample samples.misc.Builtins.inc\n */\n @kotlin.internal.InlineOnly\n
public inline operator fun inc(): UInt = UInt(data.inc())\n\n /**\n * Returns this value decremented by one.\n
*\n * @sample samples.misc.Builtins.dec\n */\n @kotlin.internal.InlineOnly\n public inline operator fun
dec(): UInt = UInt(data.dec())\n\n /**\n * Creates a range from this value to the specified [other] value. *\n
*/\n @kotlin.internal.InlineOnly\n public inline operator fun rangeTo(other: UInt): UIntRange = UIntRange(
this, other)\n\n /**\n * Shifts this value left by the [bitCount] number of bits.\n * \n * Note that only the five
lowest-order bits of the [bitCount] are used as the shift distance.\n * \n * The shift distance actually used is therefore
always in the range `0..31`.\n */\n @kotlin.internal.InlineOnly\n public inline infix fun shl(bitCount: Int): UInt
= UInt(data shl bitCount)\n\n /**\n * Shifts this value right by the [bitCount] number of bits, filling the leftmost
bits with zeros.\n * \n * Note that only the five lowest-order bits of the [bitCount] are used as the shift
distance.\n * \n * The shift distance actually used is therefore always in the range `0..31`.\n */\n
@kotlin.internal.InlineOnly\n public inline infix fun shr(bitCount: Int): UInt = UInt(data ushr bitCount)\n\n /**
Performs a bitwise AND operation between the two values. *\n */\n @kotlin.internal.InlineOnly\n public inline infix

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fun and(other: UInt): UInt = UInt(this.data and other.data)\n /** Performs a bitwise OR operation between the two
values. */\n @kotlin.internal.InlineOnly\n public inline infix fun or(other: UInt): UInt = UInt(this.data or
other.data)\n /** Performs a bitwise XOR operation between the two values. */\n @kotlin.internal.InlineOnly\n
public inline infix fun xor(other: UInt): UInt = UInt(this.data xor other.data)\n /** Inverts the bits in this value.
*/\n @kotlin.internal.InlineOnly\n public inline fun inv(): UInt = UInt(data.inv())\n\n /**\n * Converts this
[UInt] value to [Byte].\n *\n * If this value is less than or equals to [Byte.MAX_VALUE], the resulting `Byte`
value represents\n *\n * the same numerical value as this `UInt`.\n *\n * The resulting `Byte` value is
represented by the least significant 8 bits of this `UInt` value.\n *\n * Note that the resulting `Byte` value may be
negative.\n */\n @kotlin.internal.InlineOnly\n public inline fun toByte(): Byte = data.toByte()\n /**\n *
Converts this [UInt] value to [Short].\n *\n * If this value is less than or equals to [Short.MAX_VALUE], the
resulting `Short` value represents\n *\n * the same numerical value as this `UInt`.\n *\n * The resulting `Short`
value is represented by the least significant 16 bits of this `UInt` value.\n *\n * Note that the resulting `Short`
value may be negative.\n */\n @kotlin.internal.InlineOnly\n public inline fun toShort(): Short = data.toShort()\n
/**\n * Converts this [UInt] value to [Int].\n *\n * If this value is less than or equals to [Int.MAX_VALUE],
the resulting `Int` value represents\n *\n * the same numerical value as this `UInt`. Otherwise the result is negative.\n
*\n * The resulting `Int` value has the same binary representation as this `UInt` value.\n */\n
@kotlin.internal.InlineOnly\n public inline fun toInt(): Int = data\n /**\n * Converts this [UInt] value to
[Long].\n *\n * The resulting `Long` value represents the same numerical value as this `UInt`.\n *\n * The
least significant 32 bits of the resulting `Long` value are the same as the bits of this `UInt` value,\n *\n *
whereas the most significant 32 bits are filled with zeros.\n */\n @kotlin.internal.InlineOnly\n public inline fun toLong():
Long = data.toLong() and 0xFFFF_FFFF\n\n /**\n * Converts this [UInt] value to [UByte].\n *\n * If this
value is less than or equals to [UByte.MAX_VALUE], the resulting `UByte` value represents\n *\n * the same
numerical value as this `UInt`.\n *\n * The resulting `UByte` value is represented by the least significant 8 bits
of this `UInt` value.\n */\n @kotlin.internal.InlineOnly\n public inline fun toUByte(): UByte =
data.toUByte()\n /**\n * Converts this [UInt] value to [UShort].\n *\n * If this value is less than or equals
to [UShort.MAX_VALUE], the resulting `UShort` value represents\n *\n * the same numerical value as this `UInt`.\n
*\n * The resulting `UShort` value is represented by the least significant 16 bits of this `UInt` value.\n */\n
@kotlin.internal.InlineOnly\n public inline fun toUShort(): UShort = data.toUShort()\n /** Returns this value.
*/\n @kotlin.internal.InlineOnly\n public inline fun toUInt(): UInt = this\n /**\n * Converts this [UInt] value
to [ULong].\n *\n * The resulting `ULong` value represents the same numerical value as this `UInt`.\n *\n
* The least significant 32 bits of the resulting `ULong` value are the same as the bits of this `UInt` value,\n *\n
whereas the most significant 32 bits are filled with zeros.\n */\n @kotlin.internal.InlineOnly\n public inline
fun toULong(): ULong = ULong(data.toLong() and 0xFFFF_FFFF)\n\n /**\n * Converts this [UInt] value to
[Float].\n *\n * The resulting value is the closest `Float` to this `UInt` value.\n *\n * In case when this `UInt`
value is exactly between two `Float`s,\n *\n * the one with zero at least significant bit of mantissa is selected.\n
*/\n @kotlin.internal.InlineOnly\n public inline fun toFloat(): Float = this.toDouble().toFloat()\n /**\n * Converts
this [UInt] value to [Double].\n *\n * The resulting `Double` value represents the same numerical value as this
`UInt`.\n */\n @kotlin.internal.InlineOnly\n public inline fun toDouble(): Double = UIntToDouble(data)\n\n
public override fun toString(): String = toLong().toString()\n\n}\n\n/**\n * Converts this [Byte] value to [UInt].\n
*\n * If this value is positive, the resulting `UInt` value represents the same numerical value as this `Byte`.\n *\n
* The least significant 8 bits of the resulting `UInt` value are the same as the bits of this `Byte` value,\n *\n
whereas the most significant 24 bits are filled with the sign bit of this value.\n */\n @SinceKotlin("1.5")\n @WasExperimental(ExperimentalUnsignedTypes::class)\n @kotlin.internal.InlineOnly\n
public inline fun Byte.toUInt(): UInt = UInt(this.toInt())\n\n /**\n * Converts this [Short] value to [UInt].\n *\n
* If this value is positive, the resulting `UInt` value represents the same numerical value as this `Short`.\n *\n
* The least significant 16 bits of the resulting `UInt` value are the same as the bits of this `Short` value,\n *\n
whereas the most significant 16 bits are filled with the sign bit of this value.\n */\n @SinceKotlin("1.5")\n @WasExperimental(ExperimentalUnsignedTypes::class)\n @kotlin.internal.InlineOnly\n

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inline operator fun plus(other: ULong): ULong = this.toULong().plus(other)\n\n /** Subtracts the other value from
this value. */\n @kotlin.internal.InlineOnly\n public inline operator fun minus(other: UByte): UInt =
this.toUInt().minus(other.toUInt())\n /** Subtracts the other value from this value. */\n
@kotlin.internal.InlineOnly\n public inline operator fun minus(other: UShort): UInt =
this.toUInt().minus(other.toUInt())\n /** Subtracts the other value from this value. */\n
@kotlin.internal.InlineOnly\n public inline operator fun minus(other: UInt): UInt = this.toUInt().minus(other)\n
/** Subtracts the other value from this value. */\n @kotlin.internal.InlineOnly\n public inline operator fun
minus(other: ULong): ULong = this.toULong().minus(other)\n\n /** Multiplies this value by the other value. */\n
@kotlin.internal.InlineOnly\n public inline operator fun times(other: UByte): UInt =
this.toUInt().times(other.toUInt())\n /** Multiplies this value by the other value. */\n
@kotlin.internal.InlineOnly\n public inline operator fun times(other: UShort): UInt =
this.toUInt().times(other.toUInt())\n /** Multiplies this value by the other value. */\n
@kotlin.internal.InlineOnly\n public inline operator fun times(other: UInt): UInt = this.toUInt().times(other)\n
/** Multiplies this value by the other value. */\n @kotlin.internal.InlineOnly\n public inline operator fun
times(other: ULong): ULong = this.toULong().times(other)\n\n /** Divides this value by the other value,
truncating the result to an integer that is closer to zero. */\n @kotlin.internal.InlineOnly\n public inline operator
fun div(other: UByte): UInt = this.toUInt().div(other.toUInt())\n /** Divides this value by the other value,
truncating the result to an integer that is closer to zero. */\n @kotlin.internal.InlineOnly\n public inline operator
fun div(other: UShort): UInt = this.toUInt().div(other.toUInt())\n /** Divides this value by the other value,
truncating the result to an integer that is closer to zero. */\n @kotlin.internal.InlineOnly\n public inline operator
fun div(other: UInt): UInt = this.toUInt().div(other)\n /** Divides this value by the other value, truncating the
result to an integer that is closer to zero. */\n @kotlin.internal.InlineOnly\n public inline operator fun div(other:
ULong): ULong = this.toULong().div(other)\n\n /**\n * Calculates the remainder of truncating division of this
value by the other value.\n * \n * The result is always less than the divisor.\n */\n
@kotlin.internal.InlineOnly\n public inline operator fun rem(other: UByte): UInt =
this.toUInt().rem(other.toUInt())\n /**\n * Calculates the remainder of truncating division of this value by the
other value.\n * \n * The result is always less than the divisor.\n */\n @kotlin.internal.InlineOnly\n public
inline operator fun rem(other: UShort): UInt = this.toUInt().rem(other.toUInt())\n /**\n * Calculates the
remainder of truncating division of this value by the other value.\n * \n * The result is always less than the
divisor.\n */\n @kotlin.internal.InlineOnly\n public inline operator fun rem(other: UInt): UInt =
this.toUInt().rem(other)\n /**\n * Calculates the remainder of truncating division of this value by the other
value.\n * \n * The result is always less than the divisor.\n */\n @kotlin.internal.InlineOnly\n public
inline operator fun rem(other: ULong): ULong = this.toULong().rem(other)\n\n /**\n * Divides this value by
the other value, flooring the result to an integer that is closer to negative infinity.\n * \n * For unsigned types,
the results of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n
public inline fun floorDiv(other: UByte): UInt = this.toUInt().floorDiv(other.toUInt())\n /**\n * Divides this
value by the other value, flooring the result to an integer that is closer to negative infinity.\n * \n * For unsigned
types, the results of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n
public inline fun floorDiv(other: UShort): UInt = this.toUInt().floorDiv(other.toUInt())\n /**\n * Divides this
value by the other value, flooring the result to an integer that is closer to negative infinity.\n * \n * For unsigned
types, the results of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n
public inline fun floorDiv(other: UInt): UInt = this.toUInt().floorDiv(other)\n /**\n * Divides this value by the
other value, flooring the result to an integer that is closer to negative infinity.\n * \n * For unsigned types, the
results of flooring division and truncating division are the same.\n */\n @kotlin.internal.InlineOnly\n public
inline fun floorDiv(other: ULong): ULong = this.toULong().floorDiv(other)\n\n /**\n * Calculates the
remainder of flooring division of this value by the other value.\n * \n * The result is always less than the
divisor.\n * \n * For unsigned types, the remainders of flooring division and truncating division are the same.\n
*/\n @kotlin.internal.InlineOnly\n public inline fun mod(other: UByte): UByte =

```

```

this.toUInt().mod(other.toUInt()).toUByte()\n /**\n * Calculates the remainder of flooring division of this value
by the other value.\n * \n * The result is always less than the divisor.\n * \n * For unsigned types, the
remainders of flooring division and truncating division are the same.\n * \n @kotlin.internal.InlineOnly\n
public inline fun mod(other: UShort): UShort = this.toUInt().mod(other.toUInt()).toUShort()\n /**\n *
Calculates the remainder of flooring division of this value by the other value.\n * \n * The result is always less
than the divisor.\n * \n * For unsigned types, the remainders of flooring division and truncating division are the
same.\n * \n @kotlin.internal.InlineOnly\n public inline fun mod(other: UInt): UInt =
this.toUInt().mod(other)\n /**\n * Calculates the remainder of flooring division of this value by the other
value.\n * \n * The result is always less than the divisor.\n * \n * For unsigned types, the remainders of
flooring division and truncating division are the same.\n * \n @kotlin.internal.InlineOnly\n public inline fun
mod(other: ULong): ULong = this.toULong().mod(other)\n\n /**\n * Returns this value incremented by one.\n\n
*\n * @sample samples.misc.Builtins.inc\n * \n @kotlin.internal.InlineOnly\n public inline operator fun
inc(): UShort = UShort(data.inc())\n\n /**\n * Returns this value decremented by one.\n\n *\n * @sample
samples.misc.Builtins.dec\n * \n @kotlin.internal.InlineOnly\n public inline operator fun dec(): UShort =
UShort(data.dec())\n\n /**\n * Creates a range from this value to the specified [other] value. *\n\n
@\kotlin.internal.InlineOnly\n public inline operator fun rangeTo(other: UShort): UIntRange =
UIntRange(this.toUInt(), other.toUInt())\n\n /**\n * Performs a bitwise AND operation between the two values. *\n\n
@\kotlin.internal.InlineOnly\n public inline infix fun and(other: UShort): UShort = UShort(this.data and
other.data)\n\n /**\n * Performs a bitwise OR operation between the two values. *\n\n @kotlin.internal.InlineOnly\n
public inline infix fun or(other: UShort): UShort = UShort(this.data or other.data)\n\n /**\n * Performs a bitwise XOR
operation between the two values. *\n\n @kotlin.internal.InlineOnly\n public inline infix fun xor(other: UShort):
UShort = UShort(this.data xor other.data)\n\n /**\n * Inverts the bits in this value. *\n\n @kotlin.internal.InlineOnly\n
public inline fun inv(): UShort = UShort(data.inv())\n\n /**\n * Converts this [UShort] value to [Byte].\n\n *\n
* If this value is less than or equals to [Byte.MAX_VALUE], the resulting `Byte` value represents\n * the same
numerical value as this `UShort`.\n\n *\n * The resulting `Byte` value is represented by the least significant 8 bits
of this `UShort` value.\n\n * Note that the resulting `Byte` value may be negative.\n\n *\n\n
@\kotlin.internal.InlineOnly\n public inline fun toByte(): Byte = data.toByte()\n\n /**\n * Converts this [UShort]
value to [Short].\n\n *\n * If this value is less than or equals to [Short.MAX_VALUE], the resulting `Short` value
represents\n * the same numerical value as this `UShort`. Otherwise the result is negative.\n\n *\n * The
resulting `Short` value has the same binary representation as this `UShort` value.\n\n *\n\n
@\kotlin.internal.InlineOnly\n public inline fun toShort(): Short = data\n\n /**\n * Converts this [UShort] value
to [Int].\n\n *\n * The resulting `Int` value represents the same numerical value as this `UShort`.\n\n *\n * The
least significant 16 bits of the resulting `Int` value are the same as the bits of this `UShort` value,\n * whereas the
most significant 16 bits are filled with zeros.\n\n *\n @kotlin.internal.InlineOnly\n public inline fun toInt(): Int
= data.toInt() and 0xFFFF\n\n /**\n * Converts this [UShort] value to [Long].\n\n *\n * The resulting `Long`
value represents the same numerical value as this `UShort`.\n\n *\n * The least significant 16 bits of the resulting
`Long` value are the same as the bits of this `UShort` value,\n * whereas the most significant 48 bits are filled
with zeros.\n\n *\n @kotlin.internal.InlineOnly\n public inline fun toLong(): Long = data.toLong() and
0xFFFF\n\n /**\n * Converts this [UShort] value to [UByte].\n\n *\n * If this value is less than or equals to
[UByte.MAX_VALUE], the resulting `UByte` value represents\n * the same numerical value as this `UShort`.\n\n
*\n * The resulting `UByte` value is represented by the least significant 8 bits of this `UShort` value.\n\n *\n\n
@\kotlin.internal.InlineOnly\n public inline fun toUByte(): UByte = data.toUByte()\n\n /**\n * Returns this value. *\n\n
@\kotlin.internal.InlineOnly\n public inline fun toUShort(): UShort = this\n\n /**\n * Converts this [UShort]
value to [UInt].\n\n *\n * The resulting `UInt` value represents the same numerical value as this `UShort`.\n\n
*\n * The least significant 16 bits of the resulting `UInt` value are the same as the bits of this `UShort` value,\n
* whereas the most significant 16 bits are filled with zeros.\n\n *\n @kotlin.internal.InlineOnly\n public inline
fun toUInt(): UInt = UInt(data.toInt() and 0xFFFF)\n\n /**\n * Converts this [UShort] value to [ULong].\n\n *\n
* The resulting `ULong` value represents the same numerical value as this `UShort`.\n\n *\n * The least

```

```

significant 16 bits of the resulting `ULong` value are the same as the bits of this `UShort` value,
 * whereas the most significant 48 bits are filled with zeros.
\n
 */
\n
 @kotlin.internal.InlineOnly
\n
 public inline fun toULong():
 ULong = ULong(data.toLong() and 0xFFFF)\n
\n
 /**
\n
 * Converts this [UShort] value to [Float].
\n
 *
\n
 * The resulting `Float` value represents the same numerical value as this `UShort`.
\n
 */
\n
 @kotlin.internal.InlineOnly
\n
 public inline fun toFloat(): Float = this.toInt().toFloat()\n
\n
 /**
\n
 * Converts this
 [UShort] value to [Double].
\n
 *
\n
 * The resulting `Double` value represents the same numerical value as this
 `UShort`.
\n
 */
\n
 @kotlin.internal.InlineOnly
\n
 public inline fun toDouble(): Double =
 this.toInt().toDouble()\n
\n
 public override fun toString(): String = toInt().toString()\n
\n
}
\n
}
\n
/**
\n
 * Converts this
 [Byte] value to [UShort].
\n
 *
\n
 * If this value is positive, the resulting `UShort` value represents the same numerical
 value as this `Byte`.
\n
 *
\n
 * The least significant 8 bits of the resulting `UShort` value are the same as the bits of this
 `Byte` value,
\n
 * whereas the most significant 8 bits are filled with the sign bit of this value.
\n
 */
\n
 @SinceKotlin("1.5")
\n
 @WasExperimental(ExperimentalUnsignedTypes::class)
\n
 @kotlin.internal.InlineOnly
\n
 public inline fun Byte.toUShort(): UShort = UShort(this.toShort())\n
\n
 /**
\n
 * Converts this [Short] value to
 [UShort].
\n
 *
\n
 * If this value is positive, the resulting `UShort` value represents the same numerical value as this
 `Short`.
\n
 *
\n
 * The resulting `UShort` value has the same binary representation as this `Short` value.
\n
 */
\n
 @SinceKotlin("1.5")
\n
 @WasExperimental(ExperimentalUnsignedTypes::class)
\n
 @kotlin.internal.InlineOnly
\n
 public inline fun Short.toUShort(): UShort = UShort(this)\n
\n
 /**
\n
 * Converts this [Int] value to [UShort].
\n
 *
\n
 * If
 this value is positive and less than or equals to [UShort.MAX_VALUE], the resulting `UShort` value represents
\n
 * the same numerical value as this `Int`.
\n
 *
\n
 * The resulting `UShort` value is represented by the least significant 16
 bits of this `Int` value.
\n
 */
\n
 @SinceKotlin("1.5")
\n
 @WasExperimental(ExperimentalUnsignedTypes::class)
\n
 @kotlin.internal.InlineOnly
\n
 public inline fun Int.toUShort(): UShort = UShort(this.toShort())\n
\n
 /**
\n
 * Converts this [Long] value to
 [UShort].
\n
 *
\n
 * If this value is positive and less than or equals to [UShort.MAX_VALUE], the resulting `UShort`
 value represents
\n
 * the same numerical value as this `Long`.
\n
 *
\n
 * The resulting `UShort` value is represented by
 the least significant 16 bits of this `Long` value.
\n
 */
\n
 @SinceKotlin("1.5")
\n
 @WasExperimental(ExperimentalUnsignedTypes::class)
\n
 @kotlin.internal.InlineOnly
\n
 public inline fun Long.toUShort(): UShort = UShort(this.toShort())\n
\n
", "/*
\n
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 and Kotlin Programming Language contributors.
\n
 * Use of this source code is governed by the Apache 2.0 license
 that can be found in the license/LICENSE.txt file.
\n
 */
\n
// Auto-generated file. DO NOT EDIT!
\n
package
 kotlin.ranges\n
\n
 /**
\n
 * A range of values of type `Char`.
\n
 */
\n
 public class CharRange(start: Char, endInclusive:
 Char) : CharProgression(start, endInclusive, 1), ClosedRange<Char> {
\n
 override val start: Char get() = first\n
\n
 override val endInclusive: Char get() = last\n
\n
 override fun contains(value: Char): Boolean = first <= value &&
 value <= last\n
\n
 /**
\n
 * Checks whether the range is empty.
\n
 *
\n
 * The range is empty if its start value is
 greater than the end value.
\n
 */
\n
 override fun isEmpty(): Boolean = first > last\n
\n
 override fun equals(other:
 Any?): Boolean =\n
 other is CharRange && (isEmpty() && other.isEmpty()) ||\n
 first == other.first && last
 == other.last\n
\n
 override fun hashCode(): Int =\n
 if (isEmpty()) -1 else (31 * first.code + last.code)\n
\n
 override fun toString(): String = "$first..$last"\n
\n
 companion object {
\n
 /** An empty range of values of
 type Char.
\n
 */
\n
 public val EMPTY: CharRange = CharRange(1.toChar(), 0.toChar())\n
\n
 }
\n
}
\n
 /**
\n
 * A
 range of values of type `Int`.
\n
 */
\n
 public class IntRange(start: Int, endInclusive: Int) : IntProgression(start,
 endInclusive, 1), ClosedRange<Int> {
\n
 override val start: Int get() = first\n
\n
 override val endInclusive: Int get() =
 last\n
\n
 override fun contains(value: Int): Boolean = first <= value && value <= last\n
\n
 /**
\n
 * Checks
 whether the range is empty.
\n
 *
\n
 * The range is empty if its start value is greater than the end value.
\n
 */
\n
 override fun isEmpty(): Boolean = first > last\n
\n
 override fun equals(other: Any?): Boolean =\n
 other is
 IntRange && (isEmpty() && other.isEmpty()) ||\n
 first == other.first && last == other.last\n
\n
 override fun
 hashCode(): Int =\n
 if (isEmpty()) -1 else (31 * first + last)\n
\n
 override fun toString(): String =
 "$first..$last"\n
\n
 companion object {
\n
 /** An empty range of values of type Int.
\n
 */
\n
 public val
 EMPTY: IntRange = IntRange(1, 0)\n
\n
 }
\n
}
\n
 /**
\n
 * A range of values of type `Long`.
\n
 */
\n
 public class
 LongRange(start: Long, endInclusive: Long) : LongProgression(start, endInclusive, 1), ClosedRange<Long> {

```



```

samples.collections.Collections.Lists.mutableList\n *\npublic fun <T> mutableListOf(vararg elements: T):
MutableList<T> =\n if (elements.size == 0) ArrayList() else ArrayList(ArrayAsCollection(elements, isVarargs =
true))\n\n/**\n * Returns a new [ArrayList] with the given elements.\n * @sample
samples.collections.Collections.Lists.arrayList\n *\npublic fun <T> arrayListOf(vararg elements: T): ArrayList<T>
=\n if (elements.size == 0) ArrayList() else ArrayList(ArrayAsCollection(elements, isVarargs = true))\n\n/**\n *
Returns a new read-only list either of single given element, if it is not null, or empty list if the element is null. The
returned list is serializable (JVM).\n * @sample samples.collections.Collections.Lists.listOfNotNull\n *\npublic fun
<T : Any> listOfNotNull(element: T?): List<T> = if (element != null) listOf(element) else emptyList()\n\n/**\n *
Returns a new read-only list only of those given elements, that are not null. The returned list is serializable
(JVM).\n * @sample samples.collections.Collections.Lists.listOfNotNull\n *\npublic fun <T : Any>
listOfNotNull(vararg elements: T?): List<T> = elements.filterNotNull()\n\n/**\n * Creates a new read-only list with
the specified [size], where each element is calculated by calling the specified\n * [init] function.\n * \n * The
function [init] is called for each list element sequentially starting from the first one.\n * It should return the value for
a list element given its index.\n * \n * @sample samples.collections.Collections.Lists.readOnlyListFromInitializer\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <T> List(size: Int, init: (index: Int) -> T):
List<T> = MutableList(size, init)\n\n/**\n * Creates a new mutable list with the specified [size], where each element
is calculated by calling the specified\n * [init] function.\n * \n * The function [init] is called for each list element
sequentially starting from the first one.\n * It should return the value for a list element given its index.\n * \n *
@sample samples.collections.Collections.Lists.mutableListFromInitializer\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <T> MutableList(size: Int, init: (index:
Int) -> T): MutableList<T> {\n val list = ArrayList<T>(size)\n repeat(size) { index -> list.add(init(index)) }\n
return list}\n\n/**\n * Builds a new read-only [List] by populating a [MutableList] using the given
[builderAction]\n * and returning a read-only list with the same elements.\n * \n * The list passed as a receiver to the
[builderAction] is valid only inside that function.\n * Using it outside of the function produces an unspecified
behavior.\n * \n * The returned list is serializable (JVM).\n * \n * @sample
samples.collections.Builders.Lists.buildListSample\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun <E> buildList(@BuilderInference builderAction: MutableList<E>().-> Unit): List<E> {\n contract {
callsInPlace(builderAction, InvocationKind.EXACTLY_ONCE) }\n return
buildListInternal(builderAction)\n}\n\n@PublishedApi\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\ninternal
expect inline fun <E> buildListInternal(builderAction: MutableList<E>().-> Unit): List<E>\n\n/**\n * Builds a
new read-only [List] by populating a [MutableList] using the given [builderAction]\n * and returning a read-only list
with the same elements.\n * \n * The list passed as a receiver to the [builderAction] is valid only inside that
function.\n * Using it outside of the function produces an unspecified behavior.\n * \n * The returned list is
serializable (JVM).\n * \n * [capacity] is used to hint the expected number of elements added in the
[builderAction].\n * \n * @throws IllegalArgumentException if the given [capacity] is negative.\n * \n * @sample
samples.collections.Builders.Lists.buildListSampleWithCapacity\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun <E> buildList(capacity: Int, @BuilderInference builderAction: MutableList<E>().-> Unit): List<E> {\n
contract { callsInPlace(builderAction, InvocationKind.EXACTLY_ONCE) }\n return buildListInternal(capacity,
builderAction)\n}\n\n@PublishedApi\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\ninternal expect inline
fun <E> buildListInternal(capacity: Int, builderAction: MutableList<E>().-> Unit): List<E>\n\n/**\n * Returns an
[IntRange] of the valid indices for this collection.\n * @sample
samples.collections.Collections.Collections.indicesOfCollection\n *\npublic val Collection<*>.indices: IntRange\n
get() = 0..size - 1\n\n/**\n * Returns the index of the last item in the list or -1 if the list is empty.\n * \n * @sample
samples.collections.Collections.Lists.lastIndexOfList\n *\npublic val <T> List<T>.lastIndex: Int\n get() =
this.size - 1\n\n/**\n * Returns `true` if the collection is not empty.\n * @sample
samples.collections.Collections.Collections.collectionIsNotEmpty\n *\n@kotlin.internal.InlineOnly\npublic inline

```

```

fun <T> Collection<T>.isEmpty(): Boolean = !isEmpty()\n\n/**\n * Returns `true` if this nullable collection is either null or empty.\n * @sample samples.collections.Collections.Collections.collectionOrNullOrNull\n */\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <T> Collection<T>?.isEmpty(): Boolean {\n    contract {\n        returns(false) implies (this@isEmpty != null)\n    }\n    return this == null || this.isEmpty()\n}\n\n/**\n * Returns this Collection if it's not `null` and the empty list otherwise.\n * @sample samples.collections.Collections.Collections.collectionOrNullOrNull\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T> Collection<T>?.orEmpty(): Collection<T> = this ?: emptyList()\n\n/**\n * Returns this List if it's not `null` and the empty list otherwise.\n * @sample samples.collections.Collections.Collections.listOrNullOrNull\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T> List<T>?.orEmpty(): List<T> = this ?: emptyList()\n\n/**\n * Returns this collection if it's not empty\n * or the result of calling [defaultValue] function if the collection is empty.\n * @sample samples.collections.Collections.Collections.collectionIfEmpty\n */\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <C, R> C.ifEmpty(defaultValue: () -> R): R where C : Collection<*>, C : R =\n    if (isEmpty()) defaultValue() else this\n\n/**\n * Checks if all elements in the specified collection are contained in this collection.\n * @sample samples.collections.Collections.Collections.collectionContainsAll\n */\n@Suppress("EXTENSION_SHADOWED_BY_MEMBER") // false warning, extension takes precedence in some cases\n@kotlin.internal.InlineOnly\npublic inline fun <@kotlin.internal.OnlyInputTypes T> Collection<T>.containsAll(elements: Collection<T>): Boolean = this.containsAll(elements)\n\n/**\n * Returns a new list with the elements of this list randomly shuffled\n * using the specified [random] instance as the source of randomness.\n * @sample samples.collections.Collections.Collections.collectionShuffled\n */\n@SinceKotlin("1.3")\npublic fun <T> Iterable<T>.shuffled(random: Random): List<T> =\n    toMutableList().apply { shuffle(random) }\n\ninternal fun <T> List<T>.optimizeReadOnlyList() = when (size) {\n    0 -> emptyList()\n    1 -> listOf(this[0])\n    else -> this\n}\n\n/**\n * Searches this list or its range for the provided [element] using the binary search algorithm.\n * The list is expected to be sorted into ascending order according to the Comparable natural ordering of its elements,\n * otherwise the result is undefined.\n * @sample samples.collections.Collections.Collections.binarySearch\n */\n * If the list contains multiple elements equal to the specified [element], there is no guarantee which one will be found.\n * @sample samples.collections.Collections.Collections.binarySearch\n * `null` value is considered to be less than any non-null value.\n * @return the index of the element, if it is contained in the list within the specified range;\n * otherwise, the inverted insertion point `(-insertion point - 1)`\n * The insertion point is defined as the index at which the element should be inserted,\n * so that the list (or the specified subrange of list) still remains sorted.\n * @sample samples.collections.Collections.Collections.binarySearch\n */\npublic fun <T> List<T>.binarySearch(element: T?, fromIndex: Int = 0, toIndex: Int = size): Int {\n    rangeCheck(size, fromIndex, toIndex)\n    var low = fromIndex\n    var high = toIndex - 1\n    while (low <= high) {\n        val mid = (low + high).ushr(1) // safe from overflows\n        val midVal = get(mid)\n        val cmp = compareValues(midVal, element)\n        if (cmp < 0) low = mid + 1\n        else if (cmp > 0) high = mid - 1\n        else return mid // key found\n    }\n    return -(low + 1) // key not found\n}\n\n/**\n * Searches this list or its range for the provided [element] using the binary search algorithm.\n * The list is expected to be sorted into ascending order according to the specified [comparator],\n * otherwise the result is undefined.\n * @sample samples.collections.Collections.Collections.binarySearch\n * If the list contains multiple elements equal to the specified [element], there is no guarantee which one will be found.\n * @sample samples.collections.Collections.Collections.binarySearch\n * `null` value is considered to be less than any non-null value.\n * @return the index of the element, if it is contained in the list within the specified range;\n * otherwise, the inverted insertion point `(-insertion point - 1)`\n * The insertion point is defined as the index at which the element should be inserted,\n * so that the list (or the specified subrange of list) still remains sorted according to the specified [comparator].\n * @sample samples.collections.Collections.Collections.binarySearch\n */\npublic fun <T> List<T>.binarySearch(element: T, comparator: Comparator<in T>, fromIndex: Int = 0, toIndex: Int = size): Int {\n    rangeCheck(size, fromIndex, toIndex)\n    var low = fromIndex\n    var high = toIndex - 1\n    while (low <= high) {\n        val mid = (low + high).ushr(1) // safe from overflows\n        val midVal = get(mid)\n        val cmp =\n
```

```

comparator.compare(midVal, element)\n\n    if (cmp < 0)\n        low = mid + 1\n    else if (cmp > 0)\n        high = mid - 1\n    else\n        return mid // key found\n    }\n    return -(low + 1) // key not found\n}\n\n/**\n * Searches this list or its range for an element having the key returned by the specified [selector] function\n * equal to the provided [key] value using the binary search algorithm.\n * The list is expected to be sorted into ascending order according to the Comparable natural ordering of keys of its elements.\n * otherwise the result is undefined.\n *\n * If the list contains multiple elements with the specified [key], there is no guarantee which one will be found.\n *\n * `null` value is considered to be less than any non-null value.\n *\n * @return the index of the element with the specified [key], if it is contained in the list within the specified range;\n * otherwise, the inverted insertion point `(-insertion point - 1)`.\n * The insertion point is defined as the index at which the element should be inserted,\n * so that the list (or the specified subrange of list) still remains sorted.\n *\n * @sample\n samples.collections.Collections.Lists.binarySearchByKey\n\n\npublic inline fun <T, K : Comparable<K>>\n List<T>.binarySearchBy(\n    key: K?,\n    fromIndex: Int = 0,\n    toIndex: Int = size,\n    crossinline selector: (T) -> K?\n): Int =\n    binarySearch(fromIndex, toIndex) { compareValues(selector(it), key) }\n\n// do not introduce this overload --- too rare\n//\npublic fun <T, K> List<T>.binarySearchBy(key: K, comparator: Comparator<K>, fromIndex: Int = 0, toIndex: Int = size(), selector: (T) -> K): Int =\n//\n    binarySearch(fromIndex, toIndex) { comparator.compare(selector(it), key) }\n\n\n/**\n * Searches this list or its range for an element for which the given [comparison] function returns zero using the binary search algorithm.\n * The list is expected to be sorted so that the signs of the [comparison] function's return values ascend on the list elements,\n * i.e. negative values come before zero and zeroes come before positive values.\n * Otherwise, the result is undefined.\n *\n * If the list contains multiple elements for which [comparison] returns zero, there is no guarantee which one will be found.\n *\n * @param comparison function that returns zero when called on the list element being searched.\n * On the elements coming before the target element, the function must return negative values;\n * on the elements coming after the target element, the function must return positive values.\n *\n * @return the index of the found element, if it is contained in the list within the specified range;\n * otherwise, the inverted insertion point `(-insertion point - 1)`.\n * The insertion point is defined as the index at which the element should be inserted,\n * so that the list (or the specified subrange of list) still remains sorted.\n *\n * @sample\n samples.collections.Collections.Lists.binarySearchWithComparisonFunction\n\n\npublic fun <T>\n List<T>.binarySearch(fromIndex: Int = 0, toIndex: Int = size, comparison: (T) -> Int): Int {\n    rangeCheck(size, fromIndex, toIndex)\n\n    var low = fromIndex\n    var high = toIndex - 1\n    while (low <= high) {\n        val mid = (low + high).ushr(1) // safe from overflows\n        val midVal = get(mid)\n        val cmp = comparison(midVal)\n        if (cmp < 0)\n            low = mid + 1\n        else if (cmp > 0)\n            high = mid - 1\n        else\n            return mid // key found\n    }\n    return -(low + 1) // key not found\n}\n\n\n/**\n * Checks that `from` and `to` are in the range of [0..size] and throws an appropriate exception, if they aren't.\n *\n * @private fun rangeCheck(size: Int, fromIndex: Int, toIndex: Int) {\n    when {\n        fromIndex > toIndex -> throw\n        IllegalArgumentException("fromIndex ($fromIndex) is greater than toIndex ($toIndex).")\n        fromIndex < 0 -> throw\n        IndexOutOfBoundsException("fromIndex ($fromIndex) is less than zero.")\n        toIndex > size -> throw\n        IndexOutOfBoundsException("toIndex ($toIndex) is greater than size ($size).")\n    }\n}\n\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal expect fun checkIndexOverflow(index: Int): Int\n\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal expect fun checkCountOverflow(count: Int): Int\n\n\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal fun throwIndexOverflow() { throw\n    ArithmeticException("Index overflow has happened.") }\n\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal fun\n    throwCountOverflow() { throw\n        ArithmeticException("Count overflow has happened.") }\n\n\n"/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n * @file:kotlin.jvm.JvmMultifileClass\n * @file:kotlin.jvm.JvmName("MapsKt")\n * @file:OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n * @package kotlin.collections\n * @import kotlin.contracts.*\n * @private object\n    EmptyMap : Map<Any?, Nothing>, Serializable {\n        private const val serialVersionUID: Long = 8246714829545688274\n        override fun equals(other: Any?): Boolean = other is Map<*, *> &&

```

```

other.isEmpty()\n override fun hashCode(): Int = 0\n override fun toString(): String = "{}"\n override val
size: Int get() = 0\n override fun isEmpty(): Boolean = true\n\n override fun containsKey(key: Any?): Boolean =
false\n override fun containsValue(value: Nothing): Boolean = false\n override fun get(key: Any?): Nothing? =
null\n override val entries: Set<Map.Entry<Any?, Nothing>> get() = EmptySet\n override val keys: Set<Any?>
get() = EmptySet\n override val values: Collection<Nothing> get() = EmptyList\n\n private fun readResolve():
Any = EmptyMap\n\n\n * Returns an empty read-only map of specified type.\n * The returned map is
serializable (JVM).\n * @sample samples.collections.Maps.Instantiation.emptyReadOnlyMap\n * \npublic fun <K,
V> emptyMap(): Map<K, V> = @Suppress("UNCHECKED_CAST") (EmptyMap as Map<K, V>)\n\n\n * Returns a new read-only map with the specified contents, given as a list of pairs\n * where the first value is the key
and the second is the value.\n * If multiple pairs have the same key, the resulting map will contain the value
from the last of those pairs.\n * Entries of the map are iterated in the order they were specified.\n * The
returned map is serializable (JVM).\n * @sample samples.collections.Maps.Instantiation.mapFromPairs\n * \npublic fun <K, V> mapOf(vararg pairs: Pair<K, V>): Map<K, V> =\n if (pairs.size > 0)
pairs.toMap(LinkedHashMap(mapCapacity(pairs.size))) else emptyMap()\n\n\n * Returns an empty read-only
map.\n * The returned map is serializable (JVM).\n * @sample
samples.collections.Maps.Instantiation.emptyReadOnlyMap\n * \n@kotlin.internal.InlineOnly\npublic inline fun
<K, V> mapOf(): Map<K, V> = emptyMap()\n\n\n * Returns an empty new [MutableMap].\n * The returned
map preserves the entry iteration order.\n * @sample samples.collections.Maps.Instantiation.emptyMutableMap\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> mutableMapOf():
MutableMap<K, V> = LinkedHashMap()\n\n\n * Returns a new [MutableMap] with the specified contents, given
as a list of pairs\n * where the first component is the key and the second is the value.\n * If multiple pairs have
the same key, the resulting map will contain the value from the last of those pairs.\n * Entries of the map are
iterated in the order they were specified.\n * @sample
samples.collections.Maps.Instantiation.mutableMapFromPairs\n * @sample
samples.collections.Maps.Instantiation.emptyMutableMap\n * \npublic fun <K, V> mutableMapOf(vararg pairs:
Pair<K, V>): MutableMap<K, V> =\n LinkedHashMap<K, V>(mapCapacity(pairs.size)).apply { putAll(pairs)
}\n\n\n * Returns an empty new [HashMap].\n * @sample
samples.collections.Maps.Instantiation.emptyHashMap\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> hashMapOf(): HashMap<K, V>
= HashMap<K, V>()\n\n\n * Returns a new [HashMap] with the specified contents, given as a list of pairs\n *
where the first component is the key and the second is the value.\n * @sample
samples.collections.Maps.Instantiation.hashMapFromPairs\n * \npublic fun <K, V> hashMapOf(vararg pairs:
Pair<K, V>): HashMap<K, V> = HashMap<K, V>(mapCapacity(pairs.size)).apply { putAll(pairs) }\n\n\n * Returns an empty new [LinkedHashMap].\n * \n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline
fun <K, V> linkedMapOf(): LinkedHashMap<K, V> = LinkedHashMap<K, V>()\n\n\n * Returns a new
[LinkedHashMap] with the specified contents, given as a list of pairs\n * where the first component is the key and
the second is the value.\n * If multiple pairs have the same key, the resulting map will contain the value from the
last of those pairs.\n * Entries of the map are iterated in the order they were specified.\n * @sample
samples.collections.Maps.Instantiation.linkedMapFromPairs\n * \npublic fun <K, V> linkedMapOf(vararg pairs:
Pair<K, V>): LinkedHashMap<K, V> = pairs.toMap(LinkedHashMap(mapCapacity(pairs.size)))\n\n\n * Builds
a new read-only [Map] by populating a [MutableMap] using the given [builderAction]\n * and returning a read-only
map with the same key-value pairs.\n * The map passed as a receiver to the [builderAction] is valid only inside
that function.\n * Using it outside of the function produces an unspecified behavior.\n * Entries of the map are
iterated in the order they were added by the [builderAction].\n * The returned map is serializable (JVM).\n * \n
@sample samples.collections.Builders.Maps.buildMapSample\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun <K, V> buildMap(@BuilderInference builderAction: MutableMap<K, V>() -> Unit): Map<K, V> {\n
contract { callsInPlace(builderAction, InvocationKind.EXACTLY_ONCE) }\n return

```

```

buildMapInternal(builderAction)\n}\n\n@PublishedApi\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\ninternal expect inline fun <K, V> buildMapInternal(builderAction: MutableMap<K, V>().->Unit): Map<K,
V>\n\n/**\n * Builds a new read-only [Map] by populating a [MutableMap] using the given [builderAction]\n * and
returning a read-only map with the same key-value pairs.\n *\n * The map passed as a receiver to the
[builderAction] is valid only inside that function.\n *\n * Using it outside of the function produces an unspecified
behavior.\n *\n * [capacity] is used to hint the expected number of pairs added in the [builderAction].\n *\n * Entries
of the map are iterated in the order they were added by the [builderAction].\n *\n * The returned map is serializable
(JVM).\n *\n * @throws IllegalArgumentException if the given [capacity] is negative.\n *\n * @sample
samples.collections.Builders.Maps.buildMapSample\n
*\n\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun <K, V> buildMap(capacity: Int, @BuilderInference builderAction: MutableMap<K, V>().->Unit):
Map<K, V> {\n    contract { callsInPlace(builderAction, InvocationKind.EXACTLY_ONCE) }\n    return
buildMapInternal(capacity,
builderAction)\n}\n\n@PublishedApi\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\ninternal expect inline
fun <K, V> buildMapInternal(capacity: Int, builderAction: MutableMap<K, V>().->Unit): Map<K, V>\n\n/**\n *
Calculate the initial capacity of a map.\n *\n\n@PublishedApi\ninternal expect fun mapCapacity(expectedSize: Int):
Int\n\n/**\n * Returns `true` if this map is not empty.\n * @sample
samples.collections.Maps.Usage.mapIsNotEmpty\n
*\n\n@kotlin.internal.InlineOnly\npublic inline fun <K, V>
Map<out K, V>.isEmpty(): Boolean = !isEmpty()\n\n/**\n * Returns `true` if this nullable map is either null or
empty.\n * @sample samples.collections.Maps.Usage.mapIsNullOrEmpty\n
*\n\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K,
V>?.isNullOrEmpty(): Boolean {\n    contract {\n        returns(false) implies (this@isNullOrEmpty != null)\n    }\n\n    return this == null || isEmpty()\n}\n\n/**\n * Returns the [Map] if its not `null`, or the empty [Map] otherwise.\n
*\n * @sample samples.collections.Maps.Usage.mapOrEmpty\n
*\n\n@kotlin.internal.InlineOnly\npublic inline fun
<K, V> Map<K, V>?.orEmpty(): Map<K, V> = this ?: emptyMap()\n\n/**\n * Returns this map if it's not empty\n *
or the result of calling [defaultValue] function if the map is empty.\n *\n * @sample
samples.collections.Maps.Usage.mapIfEmpty\n
*\n\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic
inline fun <M, R> M.ifEmpty(defaultValue: () -> R): R where M : Map<*, *>, M : R =\n    if (isEmpty())
defaultValue() else this\n\n/**\n * Checks if the map contains the given key.\n *\n * This method allows to use the
`x in map` syntax for checking whether an object is contained in the map.\n *\n * @sample
samples.collections.Maps.Usage.containsKey\n
*\n\n@kotlin.internal.InlineOnly\npublic inline operator fun
<@kotlin.internal.OnlyInputTypes K, V> Map<out K, V>.contains(key: K): Boolean = containsKey(key)\n\n/**\n *
Returns the value corresponding to the given [key], or `null` if such a key is not present in the map.\n
*\n\n@kotlin.internal.InlineOnly\npublic inline operator fun <@kotlin.internal.OnlyInputTypes K, V> Map<out K,
V>.get(key: K): V? =\n    @Suppress("UNCHECKED_CAST") (this as Map<K, V>).get(key)\n\n/**\n * Allows
to use the index operator for storing values in a mutable map.\n *\n\n@kotlin.internal.InlineOnly\npublic inline
operator fun <K, V> MutableMap<K, V>.set(key: K, value: V): Unit {\n    put(key, value)\n}\n\n/**\n * Returns
`true` if the map contains the specified [key].\n *\n * Allows to overcome type-safety restriction of `containsKey`
that requires to pass a key of type `K`.\n *\n\n@kotlin.internal.InlineOnly\npublic inline fun
<@kotlin.internal.OnlyInputTypes K> Map<out K, *>.containsKey(key: K): Boolean =\n    @Suppress("UNCHECKED_CAST") (this as Map<K, *>).containsKey(key)\n\n/**\n * Returns `true` if the map
maps one or more keys to the specified [value].\n *\n * Allows to overcome type-safety restriction of
`containsValue` that requires to pass a value of type `V`.\n *\n * @sample
samples.collections.Maps.Usage.containsValue\n
*\n\n@Suppress("EXTENSION_SHADOWED_BY_MEMBER")
// false warning, extension takes precedence in some cases\n@kotlin.internal.InlineOnly\npublic inline fun <K,
@kotlin.internal.OnlyInputTypes V> Map<K, V>.containsValue(value: V): Boolean =
this.containsValue(value)\n\n/**\n * Removes the specified key and its corresponding value from this map.\n *\n
*\n * @return the previous value associated with the key, or `null` if the key was not present in the map.\n\n

```

overcome type-safety restriction of `remove` that requires to pass a key of type `K`.

```

*\/@kotlin.internal.InlineOnly\npublic inline fun <@kotlin.internal.OnlyInputTypes K, V> MutableMap<out K, V>.remove(key: K): V? =\n    @Suppress("UNCHECKED_CAST") (this as MutableMap<K, V>).remove(key)\n\n**\n * Returns the key component of the map entry.\n * This method allows to use destructuring declarations when working with maps, for example:\n * ``\n * for ((key, value) in map) {\n *     // do something with the key and the value\n * }\n * ``\n *\/@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> Map.Entry<K, V>.component1(): K = key\n\n**\n * Returns the value component of the map entry.\n * This method allows to use destructuring declarations when working with maps, for example:\n * ``\n * for ((key, value) in map) {\n *     // do something with the key and the value\n * }\n * ``\n *\/@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> Map.Entry<K, V>.component2(): V = value\n\n**\n * Converts entry to [Pair] with key being first component and value being second.\n *\/@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map.Entry<K, V>.toPair(): Pair<K, V> = Pair(key, value)\n\n**\n * Returns the value for the given key, or the result of the [defaultValue] function if there was no entry for the given key.\n * @sample samples.collections.Maps.Usage.getOrElse\n *\/@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<K, V>.getOrElse(key: K, defaultValue: () -> V): V = get(key) ?: defaultValue()\n\ninternal inline fun <K, V> Map<K, V>.getOrElseNullable(key: K, defaultValue: () -> V): V {\n    val value = get(key)\n    if (value == null && !containsKey(key)) {\n        return defaultValue()\n    } else {\n        @Suppress("UNCHECKED_CAST")\n        return value as V\n    }\n}\n\n**\n * Returns the value for the given [key] or throws an exception if there is no such key in the map.\n * If the map was created by [withDefault], resorts to its `defaultValue` provider function instead of throwing an exception.\n * @throws NoSuchElementException when the map doesn't contain a value for the specified key and\n * no implicit default value was provided for that map.\n *\/@SinceKotlin("1.1")\npublic fun <K, V> Map<K, V>.getValue(key: K): V = getOrImplicitDefault(key)\n\n**\n * Returns the value for the given key. If the key is not found in the map, calls the [defaultValue] function,\n * puts its result into the map under the given key and returns it.\n * Note that the operation is not guaranteed to be atomic if the map is being modified concurrently.\n * @sample samples.collections.Maps.Usage.getOrPut\n *\/\npublic inline fun <K, V> MutableMap<K, V>.getOrPut(key: K, defaultValue: () -> V): V {\n    val value = get(key)\n    return if (value == null) {\n        val answer = defaultValue()\n        put(key, answer)\n        answer\n    } else {\n        value\n    }\n}\n\n**\n * Returns an [Iterator] over the entries in the [Map].\n * @sample samples.collections.Maps.Usage.forOverEntries\n *\/@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> Map<out K, V>.iterator(): Iterator<Map.Entry<K, V>> = entries.iterator()\n\n**\n * Returns a [MutableIterator] over the mutable entries in the [MutableMap].\n *\/@kotlin.jvm.JvmName("mutableIterator")\npublic inline operator fun <K, V> MutableMap<K, V>.iterator(): MutableIterator<MutableMap.MutableEntry<K, V>> = entries.iterator()\n\n**\n * Populates the given [destination] map with entries having the keys of this map and the values obtained\n * by applying the [transform] function to each entry in this [Map].\n *\/\npublic inline fun <K, V, R, M : MutableMap<in K, in R>> Map<out K, V>.mapValuesTo(destination: M, transform: (Map.Entry<K, V>) -> R): M {\n    return entries.associateByTo(destination, { it.key }, transform)\n}\n\n**\n * Populates the given [destination] map with entries having the keys obtained\n * by applying the [transform] function to each entry in this [Map] and the values of this map.\n * In case if any two entries are mapped to the equal keys, the value of the latter one will overwrite\n * the value associated with the former one.\n *\/\npublic inline fun <K, V, R, M : MutableMap<in R, in V>> Map<out K, V>.mapKeysTo(destination: M, transform: (Map.Entry<K, V>) -> R): M {\n    return entries.associateByTo(destination, transform, { it.value })\n}\n\n**\n * Puts all the given [pairs] into this [MutableMap] with the first component in the pair being the key and the second the value.\n *\/\npublic fun <K, V> MutableMap<in K, in V>.putAll(pairs: Array<out Pair<K, V>>): Unit {\n    for ((key, value) in pairs) {\n        put(key, value)\n    }\n}\n\n**\n * Puts all the elements of the given collection into this [MutableMap] with the first component in the pair being the key and the second the value.\n *\/\npublic fun <K, V> MutableMap<in K, in V>.putAll(pairs: Iterable<Pair<K, V>>): Unit {\n    for ((key, value) in pairs) {\n        put(key, value)\n    }\n}\n\n**\n * Puts all the elements of the given sequence into this [MutableMap] with the first component in the

```

pair being the key and the second the value.

```

public fun <K, V> MutableMap<in K, in V>.putAll(pairs:
Sequence<Pair<K, V>>): Unit {
    for ((key, value) in pairs) {
        put(key, value)
    }
}

```

\* Returns a new map with entries having the keys of this map and the values obtained by applying the [transform] function to each entry in this [Map].

\* The returned map preserves the entry iteration order of the original map.

@sample samples.collections.Maps.Transformations.mapValues

```

public inline fun <K, V, R> Map<out K,
V>.mapValues(transform: (Map.Entry<K, V>) -> R): Map<K, R> {
    return mapValuesTo(LinkedHashMap<K,
R>(mapCapacity(size)), transform) // .optimizeReadOnlyMap()
}

```

\* Returns a new Map with entries having the keys obtained by applying the [transform] function to each entry in this [Map] and the values of this map.

\* In case if any two entries are mapped to the equal keys, the value of the latter one will overwrite the value associated with the former one.

\* The returned map preserves the entry iteration order of the original map.

@sample samples.collections.Maps.Transformations.mapKeys

```

public inline fun <K, V, R>
Map<out K, V>.mapKeys(transform: (Map.Entry<K, V>) -> R): Map<R, V> {
    return
mapKeysTo(LinkedHashMap<R, V>(mapCapacity(size)), transform) // .optimizeReadOnlyMap()
}

```

\* Returns a map containing all key-value pairs with keys matching the given [predicate].

\* The returned map preserves the entry iteration order of the original map.

@sample samples.collections.Maps.Filtering.filterKeys

```

public inline fun <K, V> Map<out K, V>.filterKeys(predicate: (K) -> Boolean): Map<K, V> {
    val result =
LinkedHashMap<K, V>()
    for (entry in this) {
        if (predicate(entry.key)) {
            result.put(entry.key,
entry.value)
        }
    }
    return result
}

```

\* Returns a map containing all key-value pairs with values matching the given [predicate].

\* The returned map preserves the entry iteration order of the original map.

@sample samples.collections.Maps.Filtering.filterValues

```

public inline fun <K, V> Map<out K,
V>.filterValues(predicate: (V) -> Boolean): Map<K, V> {
    val result = LinkedHashMap<K, V>()
    for (entry
in this) {
        if (predicate(entry.value)) {
            result.put(entry.key, entry.value)
        }
    }
    return
result
}

```

\* Appends all entries matching the given [predicate] into the mutable map given as [destination] parameter.

\* @return the destination map.

@sample samples.collections.Maps.Filtering.filterTo

```

public inline fun <K, V, M : MutableMap<in K, in V>> Map<out K, V>.filterTo(destination: M, predicate:
(Map.Entry<K, V>) -> Boolean): M {
    for (element in this) {
        if (predicate(element)) {
            destination.put(element.key, element.value)
        }
    }
    return destination
}

```

\* Returns a new map containing all key-value pairs matching the given [predicate].

\* The returned map preserves the entry iteration order of the original map.

@sample samples.collections.Maps.Filtering.filter

```

public inline fun <K, V>
Map<out K, V>.filter(predicate: (Map.Entry<K, V>) -> Boolean): Map<K, V> {
    return
filterTo(LinkedHashMap<K, V>(), predicate)
}

```

\* Appends all entries not matching the given [predicate] into the given [destination].

\* @return the destination map.

@sample samples.collections.Maps.Filtering.filterNotTo

```

public inline fun <K, V, M : MutableMap<in K, in V>>
Map<out K, V>.filterNotTo(destination: M, predicate: (Map.Entry<K, V>) -> Boolean): M {
    for (element in
this) {
        if (!predicate(element)) {
            destination.put(element.key, element.value)
        }
    }
    return
destination
}

```

\* Returns a new map containing all key-value pairs not matching the given [predicate].

\* The returned map preserves the entry iteration order of the original map.

@sample samples.collections.Maps.Filtering.filterNot

```

public inline fun <K, V> Map<out K, V>.filterNot(predicate:
(Map.Entry<K, V>) -> Boolean): Map<K, V> {
    return filterNotTo(LinkedHashMap<K, V>(),
predicate)
}

```

\* Returns a new map containing all key-value pairs from the given collection of pairs.

\* The returned map preserves the entry iteration order of the original collection.

\* If any of two pairs would have the same key the last one gets added to the map.

```

public fun <K, V> Iterable<Pair<K, V>>.toMap(): Map<K, V>
{
    if (this is Collection) {
        return when (size) {
            0 -> emptyMap()
            1 -> mapOf(if (this is
List) this[0] else iterator().next())
            else -> toMap(LinkedHashMap<K, V>(mapCapacity(size)))
        }
    }
    return toMap(LinkedHashMap<K, V>()).optimizeReadOnlyMap()
}

```

\* Populates and returns the [destination] mutable map with key-value pairs from the given collection of pairs.

```

public fun <K, V, M :
MutableMap<in K, in V>> Iterable<Pair<K, V>>.toMap(destination: M): M =
destination.apply {
    putAll(this@toMap)
}

```

\* Returns a new map containing all key-value pairs from the given array of pairs.

\* The returned map preserves the entry iteration order of the original array. \* If any of two pairs would have the same key the last one gets added to the map.

```

public fun <K, V> Array<out Pair<K, V>>.toMap(): Map<K, V> = when (size) {
    0 -> emptyMap()
    1 -> mapOf(this[0])
    else -> toMap(LinkedHashMap<K, V>(mapCapacity(size)))
}

```

\* Populates and returns the [destination] mutable map with key-value pairs from the given array of pairs.

```

public fun <K, V, M : MutableMap<in K, in V>> Array<out Pair<K, V>>.toMap(destination: M): M =
    destination.apply { putAll(this@toMap) }

```

\* Returns a new map containing all key-value pairs from the given sequence of pairs.

\* The returned map preserves the entry iteration order of the original sequence.

\* If any of two pairs would have the same key the last one gets added to the map.

```

public fun <K, V> Sequence<Pair<K, V>>.toMap(): Map<K, V> = toMap(LinkedHashMap<K, V>().optimizeReadOnlyMap())

```

\* Populates and returns the [destination] mutable map with key-value pairs from the given sequence of pairs.

```

public fun <K, V, M : MutableMap<in K, in V>> Sequence<Pair<K, V>>.toMap(destination: M): M =
    destination.apply { putAll(this@toMap) }

```

\* Returns a new read-only map containing all key-value pairs from the original map.

\* The returned map preserves the entry iteration order of the original map.

```

@SinceKotlin("1.1")
public fun <K, V> Map<out K, V>.toMap(): Map<K, V> =
    when (size) {
        0 -> emptyMap()
        1 -> toSingletonMap()
        else -> toMutableMap()
    }

```

\* Returns a new mutable map containing all key-value pairs from the original map.

\* The returned map preserves the entry iteration order of the original map.

```

@SinceKotlin("1.1")
public fun <K, V> Map<out K, V>.toMutableMap(): MutableMap<K, V> =
    LinkedHashMap(this)

```

\* Populates and returns the [destination] mutable map with key-value pairs from the given map.

```

@SinceKotlin("1.1")
public fun <K, V, M : MutableMap<in K, in V>> Map<out K, V>.toMap(destination: M): M =
    destination.apply {
        putAll(this@toMap)
    }

```

\* Creates a new read-only map by replacing or adding an entry to this map from a given key-value [pair].

\* The returned map preserves the entry iteration order of the original map.

\* The [pair] is iterated in the end if it has a unique key.

```

public operator fun <K, V> Map<out K, V>.plus(pair: Pair<K, V>): Map<K, V> =
    if (this.isEmpty()) mapOf(pair) else LinkedHashMap(this).apply {
        put(pair.first, pair.second)
    }

```

\* Creates a new read-only map by replacing or adding entries to this map from a given collection of key-value [pairs].

\* The returned map preserves the entry iteration order of the original map.

\* Those [pairs] with unique keys are iterated in the end in the order of [pairs] collection.

```

public operator fun <K, V> Map<out K, V>.plus(pairs: Iterable<Pair<K, V>>): Map<K, V> =
    if (this.isEmpty()) pairs.toMap() else
    LinkedHashMap(this).apply { putAll(pairs) }

```

\* Creates a new read-only map by replacing or adding entries to this map from a given array of key-value [pairs].

\* The returned map preserves the entry iteration order of the original map.

\* Those [pairs] with unique keys are iterated in the end in the order of [pairs] array.

```

public operator fun <K, V> Map<out K, V>.plus(pairs: Array<out Pair<K, V>>): Map<K, V> =
    if (this.isEmpty())
        pairs.toMap() else
    LinkedHashMap(this).apply { putAll(pairs) }

```

\* Creates a new read-only map by replacing or adding entries to this map from a given sequence of key-value [pairs].

\* The returned map preserves the entry iteration order of the original map.

\* Those [pairs] with unique keys are iterated in the end in the order of [pairs] sequence.

```

public operator fun <K, V> Map<out K, V>.plus(pairs: Sequence<Pair<K, V>>): Map<K, V> =
    LinkedHashMap(this).apply { putAll(pairs) }.optimizeReadOnlyMap()

```

\* Creates a new read-only map by replacing or adding entries to this map from another [map].

\* The returned map preserves the entry iteration order of the original map.

\* Those entries of another [map] that are missing in this map are iterated in the end in the order of that [map].

```

public operator fun <K, V> Map<out K, V>.plus(map: Map<out K, V>): Map<K, V> =
    LinkedHashMap(this).apply { putAll(map) }

```

\* Appends or replaces the given [pair] in this mutable map.

```

@kotlin.internal.InlineOnly
public inline operator fun <K, V> MutableMap<in K, in V>.plusAssign(pair: Pair<K, V>) {
    put(pair.first, pair.second)
}

```

\* Appends or replaces all pairs from the given collection of [pairs] in this mutable map.

```

@kotlin.internal.InlineOnly
public inline operator fun <K, V> MutableMap<in K, in V>.plusAssign(pairs: Iterable<Pair<K, V>>) {
    putAll(pairs)
}

```

\* Appends or replaces all pairs from the given array of [pairs] in this mutable map.

```

@kotlin.internal.InlineOnly
public inline operator fun <K, V> MutableMap<in K, in V>.plusAssign(pairs: Array<out Pair<K, V>>) {
    putAll(pairs)
}

```

\* Appends or replaces all pairs from the given sequence of

```

[pairs] in this mutable map.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> MutableMap<in
K, in V>.plusAssign(pairs: Sequence<Pair<K, V>>) {\n  putAll(pairs)\n}\n\n/**\n * Appends or replaces all
entries from the given [map] in this mutable map.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <K,
V> MutableMap<in K, in V>.plusAssign(map: Map<K, V>) {\n  putAll(map)\n}\n\n/**\n * Returns a map
containing all entries of the original map except the entry with the given [key].\n */\n * The returned map preserves
the entry iteration order of the original map.\n */\n@SinceKotlin("1.1")\npublic operator fun <K, V> Map<out K,
V>.minus(key: K): Map<K, V> =\n  this.toMutableMap().apply { minusAssign(key)
}.optimizeReadOnlyMap()\n\n/**\n * Returns a map containing all entries of the original map except those entries\n
* the keys of which are contained in the given [keys] collection.\n */\n * The returned map preserves the entry
iteration order of the original map.\n */\n@SinceKotlin("1.1")\npublic operator fun <K, V> Map<out K,
V>.minus(keys: Iterable<K>): Map<K, V> =\n  this.toMutableMap().apply { minusAssign(keys)
}.optimizeReadOnlyMap()\n\n/**\n * Returns a map containing all entries of the original map except those entries\n
* the keys of which are contained in the given [keys] array.\n */\n * The returned map preserves the entry iteration
order of the original map.\n */\n@SinceKotlin("1.1")\npublic operator fun <K, V> Map<out K, V>.minus(keys:
Array<out K>): Map<K, V> =\n  this.toMutableMap().apply { minusAssign(keys)
}.optimizeReadOnlyMap()\n\n/**\n * Returns a map containing all entries of the original map except those entries\n
* the keys of which are contained in the given [keys] sequence.\n */\n * The returned map preserves the entry
iteration order of the original map.\n */\n@SinceKotlin("1.1")\npublic operator fun <K, V> Map<out K,
V>.minus(keys: Sequence<K>): Map<K, V> =\n  this.toMutableMap().apply { minusAssign(keys)
}.optimizeReadOnlyMap()\n\n/**\n * Removes the entry with the given [key] from this mutable map.\n
*/\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> MutableMap<K,
V>.minusAssign(key: K) {\n  remove(key)\n}\n\n/**\n * Removes all entries the keys of which are contained in
the given [keys] collection from this mutable map.\n
*/\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> MutableMap<K,
V>.minusAssign(keys: Iterable<K>) {\n  this.keys.removeAll(keys)\n}\n\n/**\n * Removes all entries the keys of
which are contained in the given [keys] array from this mutable map.\n
*/\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> MutableMap<K,
V>.minusAssign(keys: Array<out K>) {\n  this.keys.removeAll(keys)\n}\n\n/**\n * Removes all entries from the
keys of which are contained in the given [keys] sequence from this mutable map.\n
*/\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> MutableMap<K,
V>.minusAssign(keys: Sequence<K>) {\n  this.keys.removeAll(keys)\n}\n\n\n// do not expose for now
@PublishedApi\ninternal fun <K, V> Map<K, V>.optimizeReadOnlyMap() = when (size) {\n  0 -> emptyMap()\n  1 -> toSingletonMapOrSelf()\n  else -> this\n}\n\n"/\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("SetsKt")\n@file:OptIn(kotlin.experimenta
l.ExperimentalTypeInference::class)\n\npackage kotlin.collections\n\nimport kotlin.contracts.*\n\ninternal object
EmptySet : Set<Nothing>, Serializable {\n  private const val serialVersionUID: Long =
3406603774387020532\n\n  override fun equals(other: Any?): Boolean = other is Set<*> && other.isEmpty()\n
\n  override fun hashCode(): Int = 0\n\n  override fun toString(): String = "[]"\n\n  override val size: Int get() = 0\n
\n  override fun isEmpty(): Boolean = true\n\n  override fun contains(element: Nothing): Boolean = false\n\n  override
fun containsAll(elements: Collection<Nothing>): Boolean = elements.isEmpty()\n\n  override fun iterator():
Iterator<Nothing> = EmptyIterator\n\n  private fun readResolve(): Any = EmptySet\n}\n\n\n/**\n * Returns an
empty read-only set. The returned set is serializable (JVM).\n */\n * @sample
samples.collections.Collections.Sets.emptyReadOnlySet\n */\npublic fun <T> emptySet(): Set<T> =
EmptySet\n\n\n/**\n * Returns a new read-only set with the given elements.\n * Elements of the set are iterated in the
order they were specified.\n * The returned set is serializable (JVM).\n */\n * @sample
samples.collections.Collections.Sets.readOnlySet\n */\npublic fun <T> setOf(vararg elements: T): Set<T> = if

```

```

(elements.size > 0) elements.toSet() else emptySet()\n\n/**\n * Returns an empty read-only set. The returned set is
serializable (JVM).\n * @sample samples.collections.Collections.Sets.emptyReadOnlySet\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun <T> setOf(): Set<T> = emptySet()\n\n/**\n * Returns an empty
new [MutableSet].\n * The returned set preserves the element iteration order.\n * @sample
samples.collections.Collections.Sets.emptyMutableSet\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <T> mutableSetOf(): MutableSet<T> =
LinkedHashSet()\n\n/**\n * Returns a new [MutableSet] with the given elements.\n * Elements of the set are
iterated in the order they were specified.\n * @sample samples.collections.Collections.Sets.mutableSet\n */\npublic
fun <T> mutableSetOf(vararg elements: T): MutableSet<T> =
elements.toCollection(LinkedHashSet(mapCapacity(elements.size)))\n\n/**\n * Returns an empty new [HashSet].
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <T> hashSetOf(): HashSet<T> =
HashSet()\n\n/**\n * Returns a new [HashSet] with the given elements. */\npublic fun <T> hashSetOf(vararg elements:
T): HashSet<T> = elements.toCollection(HashSet(mapCapacity(elements.size)))\n\n/**\n * Returns an empty new
[LinkedHashSet].\n * @sample samples.collections.Collections.Sets.emptyLinkedHashSet\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <T> linkedSetOf(): LinkedHashSet<T>
= LinkedHashSet()\n\n/**\n * Returns a new [LinkedHashSet] with the given elements.\n * Elements of the set are
iterated in the order they were specified.\n * @sample samples.collections.Collections.Sets.linkedHashSet\n
*/\npublic fun <T> linkedSetOf(vararg elements: T): LinkedHashSet<T> =
elements.toCollection(LinkedHashSet(mapCapacity(elements.size)))\n\n/**\n * Returns a new read-only set either
with single given element, if it is not null, or empty set if the element is null.\n * The returned set is serializable
(JVM).\n * @sample samples.collections.Collections.Sets.setOfNotNull\n */\n@SinceKotlin("1.4")\npublic fun <T
: Any> setOfNotNull(element: T?): Set<T> = if (element != null) setOf(element) else emptySet()\n\n/**\n * Returns
a new read-only set only with those given elements, that are not null.\n * Elements of the set are iterated in the order
they were specified.\n * The returned set is serializable (JVM).\n * @sample
samples.collections.Collections.Sets.setOfNotNull\n */\n@SinceKotlin("1.4")\npublic fun <T : Any>
setOfNotNull(vararg elements: T?): Set<T> {\n    return elements.filterNotNullTo(LinkedHashSet())\n}\n\n/**\n *
Builds a new read-only [Set] by populating a [MutableSet] using the given [builderAction]\n * and returning a read-
only set with the same elements.\n * The set passed as a receiver to the [builderAction] is valid only inside that
function.\n * Using it outside of the function produces an unspecified behavior.\n * Elements of the set are
iterated in the order they were added by the [builderAction].\n * The returned set is serializable (JVM).\n * @sample
samples.collections.Builders.Sets.buildSetSample\n
*/\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun <E> buildSet(@BuilderInference builderAction: MutableSet<E>().->Unit): Set<E> {\n    contract {
callsInPlace(builderAction, InvocationKind.EXACTLY_ONCE) }\n    return
buildSetInternal(builderAction)\n}\n\n@PublishedApi\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\ninternal
expect inline fun <E> buildSetInternal(builderAction: MutableSet<E>().->Unit): Set<E>\n\n/**\n * Builds a
new read-only [Set] by populating a [MutableSet] using the given [builderAction]\n * and returning a read-only set
with the same elements.\n * The set passed as a receiver to the [builderAction] is valid only inside that
function.\n * Using it outside of the function produces an unspecified behavior.\n * [capacity] is used to hint the
expected number of elements added in the [builderAction].\n * Elements of the set are iterated in the order they
were added by the [builderAction].\n * The returned set is serializable (JVM).\n * @throws
IllegalArgumentOutOfRangeException if the given [capacity] is negative.\n * @sample
samples.collections.Builders.Sets.buildSetSample\n
*/\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun <E> buildSet(capacity: Int, @BuilderInference builderAction: MutableSet<E>().->Unit): Set<E> {\n
contract { callsInPlace(builderAction, InvocationKind.EXACTLY_ONCE) }\n    return buildSetInternal(capacity,
builderAction)\n}\n\n@PublishedApi\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\ninternal expect inline
fun <E> buildSetInternal(capacity: Int, builderAction: MutableSet<E>().->Unit): Set<E>\n\n/**\n * Returns this Set

```

```

if it's not `null` and the empty set otherwise. */@kotlin.internal.InlineOnly\npublic inline fun <T>
Set<T>?.orEmpty(): Set<T> = this ?: emptySet()\n\ninternal fun <T> Set<T>.optimizeReadOnlySet() = when (size)
{\n  0 -> emptySet()\n  1 -> setOf(iterator().next())\n  else -> this}\n\n"/*\n * Copyright 2010-2018 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("StringsKt")\n@file:Suppress("PLATFOR
M_CLASS_MAPPED_TO_KOTLIN")\n\npackage kotlin.text\n\n/**\n * Parses the string as a signed [Byte]
number and returns the result\n * or `null` if the string is not a valid representation of a number.\n
*/\n\n@SinceKotlin("1.1")\npublic fun String.toByteArrayOrNull(): Byte? = toByteOrNull(radix = 10)\n\n/**\n * Parses
the string as a signed [Byte] number and returns the result\n * or `null` if the string is not a valid representation of a
number.\n * @throws IllegalArgumentException when [radix] is not a valid radix for string to number
conversion.\n */\n\n@SinceKotlin("1.1")\npublic fun String.toByteArrayOrNull(radix: Int): Byte? {\n  val int =
this.toIntOrNull(radix) ?: return null\n  if (int < Byte.MIN_VALUE || int > Byte.MAX_VALUE) return null\n
return int.toByteArray()\n}\n\n/**\n * Parses the string as a [Short] number and returns the result\n * or `null` if the string
is not a valid representation of a number.\n */\n\n@SinceKotlin("1.1")\npublic fun String.toShortOrNull(): Short? =
toShortOrNull(radix = 10)\n\n/**\n * Parses the string as a [Short] number and returns the result\n * or `null` if the
string is not a valid representation of a number.\n * @throws IllegalArgumentException when [radix] is not a
valid radix for string to number conversion.\n */\n\n@SinceKotlin("1.1")\npublic fun String.toShortOrNull(radix:
Int): Short? {\n  val int = this.toIntOrNull(radix) ?: return null\n  if (int < Short.MIN_VALUE || int >
Short.MAX_VALUE) return null\n  return int.toShort()\n}\n\n/**\n * Parses the string as an [Int] number and
returns the result\n * or `null` if the string is not a valid representation of a number.\n
*/\n\n@SinceKotlin("1.1")\npublic fun String.toIntOrNull(): Int? = toIntOrNull(radix = 10)\n\n/**\n * Parses the
string as an [Int] number and returns the result\n * or `null` if the string is not a valid representation of a number.\n
*/\n * @throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*/\n\n@SinceKotlin("1.1")\npublic fun String.toIntOrNull(radix: Int): Int? {\n  checkRadix(radix)\n\n  val length
= this.length\n  if (length == 0) return null\n\n  val start: Int\n  val isNegative: Boolean\n  val limit: Int\n  val
firstChar = this[0]\n  if (firstChar < '0') { // Possible leading sign\n    if (length == 1) return null // non-digit
(possible sign) only, no digits after\n\n    start = 1\n\n    if (firstChar == '-') {\n      isNegative = true\n
limit = Int.MIN_VALUE\n    } else if (firstChar == '+') {\n      isNegative = false\n      limit = -
Int.MAX_VALUE\n    } else\n      return null\n  } else {\n    start = 0\n    isNegative = false\n    limit
= -Int.MAX_VALUE\n  }\n\n  val limitForMaxRadix = (-Int.MAX_VALUE) / 36\n\n  var limitBeforeMul =
limitForMaxRadix\n  var result = 0\n  for (i in start until length) {\n    val digit = digitOf(this[i], radix)\n\n
if (digit < 0) return null\n    if (result < limitBeforeMul) {\n      if (limitBeforeMul == limitForMaxRadix) {\n
        limitBeforeMul = limit / radix\n\n        if (result < limitBeforeMul) {\n          return null\n
        }\n      } else {\n        return null\n      }\n    }\n\n    result *= radix\n\n    if (result < limit + digit)
return null\n\n    result -= digit\n  }\n\n  return if (isNegative) result else -result\n}\n\n/**\n * Parses the string
as a [Long] number and returns the result\n * or `null` if the string is not a valid representation of a number.\n
*/\n\n@SinceKotlin("1.1")\npublic fun String.toLongOrNull(): Long? = toLongOrNull(radix = 10)\n\n/**\n * Parses
the string as a [Long] number and returns the result\n * or `null` if the string is not a valid representation of a
number.\n * @throws IllegalArgumentException when [radix] is not a valid radix for string to number
conversion.\n */\n\n@SinceKotlin("1.1")\npublic fun String.toLongOrNull(radix: Int): Long? {\n  checkRadix(radix)\n\n
val length = this.length\n  if (length == 0) return null\n\n  val start: Int\n  val isNegative:
Boolean\n  val limit: Long\n\n  val firstChar = this[0]\n  if (firstChar < '0') { // Possible leading sign\n    if
(length == 1) return null // non-digit (possible sign) only, no digits after\n\n    start = 1\n\n    if (firstChar == '-')
{\n      isNegative = true\n      limit = Long.MIN_VALUE\n    } else if (firstChar == '+') {\n      isNegative = false\n
limit = -Long.MAX_VALUE\n    } else\n      return null\n  } else {\n    start =
0\n    isNegative = false\n    limit = -Long.MAX_VALUE\n  }\n\n  val limitForMaxRadix = (-
Long.MAX_VALUE) / 36\n\n  var limitBeforeMul = limitForMaxRadix\n  var result = 0L\n  for (i in start until

```

```

length) {\n    val digit = digitOf(this[i], radix)\n\n    if (digit < 0) return null\n    if (result < limitBeforeMul)\n    {\n        if (limitBeforeMul == limitForMaxRadix) {\n            limitBeforeMul = limit / radix\n\n            if\n            (result < limitBeforeMul) {\n                return null\n            }\n        } else {\n            return null\n        }\n    }\n\n    result *= radix\n\n    if (result < limit + digit) return null\n\n    result -= digit\n}\n\nreturn if (isNegative) result else -result\n}\n\n\ninternal fun numberFormatError(input: String): Nothing = throw\nNumberFormatException("Invalid number format: '$input')\n", "/*\n * Copyright 2010-2021 JetBrains s.r.o. and\n * Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that\n * can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.time\n\nimport kotlin.contracts.*\nimport\nkotlin.jvm.JvmInline\nimport kotlin.math.*\n\n/*\n * Represents the amount of time one instant of time is away\n * from another instant.\n * * A negative duration is possible in a situation when the second instant is earlier than the\n * first one.\n * * The type can store duration values up to \u00b1146 years with nanosecond precision,\n * and up to \u00b1146 million years with millisecond precision.\n * If a duration-returning operation provided in `kotlin.time`\n * produces a duration value that doesn't fit into the above range,\n * the returned `Duration` is infinite.\n * * An\n * infinite duration value [Duration.INFINITE] can be used to represent infinite timeouts.\n * * To construct a\n * duration use either the extension function [toDuration],\n * or the extension properties [hours], [minutes], [seconds],\n * and so on,\n * available on [Int], [Long], and [Double] numeric types.\n * * To get the value of this duration\n * expressed in a particular [duration units][DurationUnit]\n * use the functions [toInt], [toLong], and [toDouble]\n * or\n * the properties [inWholeHours], [inWholeMinutes], [inWholeSeconds], [inWholeNanoseconds], and so on.\n */\n\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalTime::class)\n@JvmInline\npublic value class\nDuration internal constructor(private val rawValue: Long) : Comparable<Duration> {\n\n    private val value: Long\n    get() = rawValue shr 1\n\n    private inline val unitDiscriminator: Int get() = rawValue.toInt() and 1\n\n    private fun\n    isInNanos() = unitDiscriminator == 0\n\n    private fun isInMillis() = unitDiscriminator == 1\n\n    private val\n    storageUnit get() = if (isInNanos()) DurationUnit.NANOSECONDS else DurationUnit.MILLISECONDS\n\n\n    init\n    {\n        if (durationAssertionsEnabled) {\n            if (isInNanos()) {\n                if (value !in -\n                MAX_NANOS..MAX_NANOS) throw AssertionError("$value ns is out of nanoseconds range")\n            }\n            else\n            {\n                if (value !in -MAX_MILLIS..MAX_MILLIS) throw AssertionError("$value ms is out of milliseconds\n                range")\n                if (value in -MAX_NANOS_IN_MILLIS..MAX_NANOS_IN_MILLIS) throw\n                AssertionError("$value ms is denormalized")\n            }\n        }\n    }\n\n    companion object {\n        /** The\n        duration equal to exactly 0 seconds. */\n        public val ZERO: Duration = Duration(0L)\n\n        /** The duration\n        whose value is positive infinity. It is useful for representing timeouts that should never expire. */\n        public val\n        INFINITE: Duration = durationOfMillis(MAX_MILLIS)\n\n        internal val NEG_INFINITE: Duration =\n        durationOfMillis(-MAX_MILLIS)\n\n        /** Converts the given time duration [value] expressed in the specified\n        [sourceUnit] into the specified [targetUnit]. */\n        @ExperimentalTime\n        public fun convert(value: Double,\n        sourceUnit: DurationUnit, targetUnit: DurationUnit): Double =\n        convertDurationUnit(value, sourceUnit,\n        targetUnit)\n\n        // Duration construction extension properties in Duration companion scope\n\n        /** Returns a\n        [Duration] equal to this [Int] number of nanoseconds. */\n        @kotlin.internal.InlineOnly\n        public inline val\n        Int.nanoseconds get() = toDuration(DurationUnit.NANOSECONDS)\n\n        /** Returns a [Duration] equal to this\n        [Long] number of nanoseconds. */\n        @kotlin.internal.InlineOnly\n        public inline val Long.nanoseconds\n        get() = toDuration(DurationUnit.NANOSECONDS)\n\n        /**\n        * Returns a [Duration] equal to this\n        [Double] number of nanoseconds.\n        *\n        * Depending on its magnitude, the value is rounded to an integer\n        number of nanoseconds or milliseconds.\n        *\n        * @throws IllegalArgumentException if this [Double]\n        value is `NaN`.\n        */\n        @kotlin.internal.InlineOnly\n        public inline val Double.nanoseconds get() =\n        toDuration(DurationUnit.NANOSECONDS)\n\n        /** Returns a [Duration] equal to this [Int] number of\n        microseconds. */\n        @kotlin.internal.InlineOnly\n        public inline val Int.microseconds get() =\n        toDuration(DurationUnit.MICROSECONDS)\n\n        /** Returns a [Duration] equal to this [Long] number of\n        microseconds. */\n        @kotlin.internal.InlineOnly\n        public inline val Long.microseconds get() =\n        toDuration(DurationUnit.MICROSECONDS)\n\n        /**\n        * Returns a [Duration] equal to this [Double]\n        number of microseconds.\n        *\n        * Depending on its magnitude, the value is rounded to an integer number

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of nanoseconds or milliseconds.\n
    * @throws IllegalArgumentException if this [Double] value is
`NaN`.\n
    @kotlin.internal.InlineOnly\n
    public inline val Double.microseconds get() =
toDuration(DurationUnit.MICROSECONDS)\n\n
    /** Returns a [Duration] equal to this [Int] number of
milliseconds. */\n
    @kotlin.internal.InlineOnly\n
    public inline val Int.milliseconds get() =
toDuration(DurationUnit.MILLISECONDS)\n\n
    /** Returns a [Duration] equal to this [Long] number of
milliseconds. */\n
    @kotlin.internal.InlineOnly\n
    public inline val Long.milliseconds get() =
toDuration(DurationUnit.MILLISECONDS)\n\n
    /**\n
    * Returns a [Duration] equal to this [Double]
number of milliseconds.\n
    * Depending on its magnitude, the value is rounded to an integer number of
nanoseconds or milliseconds.\n
    * @throws IllegalArgumentException if this [Double] value is
`NaN`.\n
    * @kotlin.internal.InlineOnly\n
    public inline val Double.milliseconds get() =
toDuration(DurationUnit.MILLISECONDS)\n\n
    /** Returns a [Duration] equal to this [Int] number of
seconds. */\n
    @kotlin.internal.InlineOnly\n
    public inline val Int.seconds get() =
toDuration(DurationUnit.SECONDS)\n\n
    /** Returns a [Duration] equal to this [Long] number of seconds. */\n
    @kotlin.internal.InlineOnly\n
    public inline val Long.seconds get() =
toDuration(DurationUnit.SECONDS)\n\n
    /**\n
    * Returns a [Duration] equal to this [Double] number of
seconds.\n
    * Depending on its magnitude, the value is rounded to an integer number of nanoseconds or
milliseconds.\n
    * @throws IllegalArgumentException if this [Double] value is `NaN`.\n
    * @kotlin.internal.InlineOnly\n
    public inline val Double.seconds get() =
toDuration(DurationUnit.SECONDS)\n\n
    /** Returns a [Duration] equal to this [Int] number of minutes. */\n
    @kotlin.internal.InlineOnly\n
    public inline val Int.minutes get() = toDuration(DurationUnit.MINUTES)\n\n
    /** Returns a [Duration] equal to this [Long] number of minutes. */\n
    @kotlin.internal.InlineOnly\n
    public inline val Long.minutes get() = toDuration(DurationUnit.MINUTES)\n\n
    /**\n
    * Returns a
[Duration] equal to this [Double] number of minutes.\n
    * Depending on its magnitude, the value is
rounded to an integer number of nanoseconds or milliseconds.\n
    * @throws IllegalArgumentException
if this [Double] value is `NaN`.\n
    * @kotlin.internal.InlineOnly\n
    public inline val Double.minutes
get() = toDuration(DurationUnit.MINUTES)\n\n
    /** Returns a [Duration] equal to this [Int] number of hours.
*/\n
    @kotlin.internal.InlineOnly\n
    public inline val Int.hours get() = toDuration(DurationUnit.HOURS)\n\n
    /** Returns a [Duration] equal to this [Long] number of hours. */\n
    @kotlin.internal.InlineOnly\n
    public
inline val Long.hours get() = toDuration(DurationUnit.HOURS)\n\n
    /**\n
    * Returns a [Duration] equal to
this [Double] number of hours.\n
    * Depending on its magnitude, the value is rounded to an integer
number of nanoseconds or milliseconds.\n
    * @throws IllegalArgumentException if this [Double]
value is `NaN`.\n
    * @kotlin.internal.InlineOnly\n
    public inline val Double.hours get() =
toDuration(DurationUnit.HOURS)\n\n
    /** Returns a [Duration] equal to this [Int] number of days. */\n
    @kotlin.internal.InlineOnly\n
    public inline val Int.days get() = toDuration(DurationUnit.DAYS)\n\n
    /**
Returns a [Duration] equal to this [Long] number of days. */\n
    @kotlin.internal.InlineOnly\n
    public inline
val Long.days get() = toDuration(DurationUnit.DAYS)\n\n
    /**\n
    * Returns a [Duration] equal to this
[Double] number of days.\n
    * Depending on its magnitude, the value is rounded to an integer number
of nanoseconds or milliseconds.\n
    * @throws IllegalArgumentException if this [Double] value is
`NaN`.\n
    * @kotlin.internal.InlineOnly\n
    public inline val Double.days get() =
toDuration(DurationUnit.DAYS)\n\n
    // deprecated static factory functions\n\n
    /** Returns a [Duration]
representing the specified [value] number of nanoseconds. */\n
    @SinceKotlin("1.5")\n
    @ExperimentalTime\n
    @Deprecated("Use 'Int.nanoseconds' extension property from Duration.Companion
instead.", ReplaceWith("value.nanoseconds", "kotlin.time.Duration.Companion.nanoseconds"))\n
    @DeprecatedSinceKotlin(warningSince = "1.6")\n
    public fun nanoseconds(value: Int): Duration =
value.toDuration(DurationUnit.NANOSECONDS)\n\n
    /** Returns a [Duration] representing the specified
[value] number of nanoseconds. */\n
    @SinceKotlin("1.5")\n
    @ExperimentalTime\n
    @Deprecated("Use 'Long.nanoseconds' extension property from Duration.Companion instead.",
ReplaceWith("value.nanoseconds", "kotlin.time.Duration.Companion.nanoseconds"))\n

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@DeprecatedSinceKotlin(warningSince = \"1.6\")\n    public fun nanoseconds(value: Long): Duration =
value.toDuration(DurationUnit.NANOSECONDS)\n\n    /**\n     * Returns a [Duration] representing the
specified [value] number of nanoseconds.\n     *\n     * @throws IllegalArgumentException if the provided
`Double` [value] is `NaN`.\n     */\n    @SinceKotlin(\"1.5\")\n    @ExperimentalTime\n@Deprecated(\"Use 'Double.nanoseconds' extension property from Duration.Companion instead.\",
ReplaceWith(\"value.nanoseconds\", \"kotlin.time.Duration.Companion.nanoseconds\"))\n@DeprecatedSinceKotlin(warningSince = \"1.6\")\n    public fun nanoseconds(value: Double): Duration =
value.toDuration(DurationUnit.NANOSECONDS)\n\n    /** Returns a [Duration] representing the specified
[value] number of microseconds. *\n     @SinceKotlin(\"1.5\")\n     @ExperimentalTime\n@Deprecated(\"Use 'Int.microseconds' extension property from Duration.Companion instead.\",
ReplaceWith(\"value.microseconds\", \"kotlin.time.Duration.Companion.microseconds\"))\n@DeprecatedSinceKotlin(warningSince = \"1.6\")\n    public fun microseconds(value: Int): Duration =
value.toDuration(DurationUnit.MICROSECONDS)\n\n    /** Returns a [Duration] representing the specified
[value] number of microseconds. *\n     @SinceKotlin(\"1.5\")\n     @ExperimentalTime\n@Deprecated(\"Use 'Long.microseconds' extension property from Duration.Companion instead.\",
ReplaceWith(\"value.microseconds\", \"kotlin.time.Duration.Companion.microseconds\"))\n@DeprecatedSinceKotlin(warningSince = \"1.6\")\n    public fun microseconds(value: Long): Duration =
value.toDuration(DurationUnit.MICROSECONDS)\n\n    /**\n     * Returns a [Duration] representing the
specified [value] number of microseconds.\n     *\n     * @throws IllegalArgumentException if the provided
`Double` [value] is `NaN`.\n     */\n    @SinceKotlin(\"1.5\")\n    @ExperimentalTime\n@Deprecated(\"Use 'Double.microseconds' extension property from Duration.Companion instead.\",
ReplaceWith(\"value.microseconds\", \"kotlin.time.Duration.Companion.microseconds\"))\n@DeprecatedSinceKotlin(warningSince = \"1.6\")\n    public fun microseconds(value: Double): Duration =
value.toDuration(DurationUnit.MICROSECONDS)\n\n    /** Returns a [Duration] representing the specified
[value] number of milliseconds. *\n     @SinceKotlin(\"1.5\")\n     @ExperimentalTime\n@Deprecated(\"Use 'Int.milliseconds' extension property from Duration.Companion instead.\",
ReplaceWith(\"value.milliseconds\", \"kotlin.time.Duration.Companion.milliseconds\"))\n@DeprecatedSinceKotlin(warningSince = \"1.6\")\n    public fun milliseconds(value: Int): Duration =
value.toDuration(DurationUnit.MILLISECONDS)\n\n    /** Returns a [Duration] representing the specified
[value] number of milliseconds. *\n     @SinceKotlin(\"1.5\")\n     @ExperimentalTime\n@Deprecated(\"Use 'Long.milliseconds' extension property from Duration.Companion instead.\",
ReplaceWith(\"value.milliseconds\", \"kotlin.time.Duration.Companion.milliseconds\"))\n@DeprecatedSinceKotlin(warningSince = \"1.6\")\n    public fun milliseconds(value: Long): Duration =
value.toDuration(DurationUnit.MILLISECONDS)\n\n    /**\n     * Returns a [Duration] representing the
specified [value] number of milliseconds.\n     *\n     * @throws IllegalArgumentException if the provided
`Double` [value] is `NaN`.\n     */\n    @SinceKotlin(\"1.5\")\n    @ExperimentalTime\n@Deprecated(\"Use 'Double.milliseconds' extension property from Duration.Companion instead.\",
ReplaceWith(\"value.milliseconds\", \"kotlin.time.Duration.Companion.milliseconds\"))\n@DeprecatedSinceKotlin(warningSince = \"1.6\")\n    public fun milliseconds(value: Double): Duration =
value.toDuration(DurationUnit.MILLISECONDS)\n\n    /** Returns a [Duration] representing the specified
[value] number of seconds. *\n     @SinceKotlin(\"1.5\")\n     @ExperimentalTime\n@Deprecated(\"Use 'Int.seconds' extension property from Duration.Companion instead.\",
ReplaceWith(\"value.seconds\", \"kotlin.time.Duration.Companion.seconds\"))\n@DeprecatedSinceKotlin(warningSince = \"1.6\")\n    public fun seconds(value: Int): Duration = value.toDuration(DurationUnit.SECONDS)\n\n    /** Returns a [Duration]
representing the specified [value] number of seconds. *\n     @SinceKotlin(\"1.5\")\n     @ExperimentalTime\n@Deprecated(\"Use 'Long.seconds' extension property from Duration.Companion instead.\",
ReplaceWith(\"value.seconds\", \"kotlin.time.Duration.Companion.seconds\"))\n@DeprecatedSinceKotlin(warningSince = \"1.6\")\n    public fun seconds(value: Long): Duration =

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value.toDuration(DurationUnit.SECONDS)\n\n    /**\n    * Returns a [Duration] representing the specified
[value] number of seconds.\n    *\n    * @throws IllegalArgumentException if the provided `Double` [value] is
`NaN`.\n    *\n    @SinceKotlin("1.5")\n    @ExperimentalTime\n    @Deprecated("Use
'Double.seconds' extension property from Duration.Companion instead.", ReplaceWith("value.seconds",
"\"kotlin.time.Duration.Companion.seconds\""))\n    @DeprecatedSinceKotlin(warningSince = "1.6")\n    public
fun seconds(value: Double): Duration = value.toDuration(DurationUnit.SECONDS)\n\n    /** Returns a
[Duration] representing the specified [value] number of minutes. *\n    @SinceKotlin("1.5")\n
@ExperimentalTime\n    @Deprecated("Use 'Int.minutes' extension property from Duration.Companion
instead.", ReplaceWith("value.minutes", "\"kotlin.time.Duration.Companion.minutes\""))\n
@DeprecatedSinceKotlin(warningSince = "1.6")\n    public fun minutes(value: Int): Duration =
value.toDuration(DurationUnit.MINUTES)\n\n    /** Returns a [Duration] representing the specified [value]
number of minutes. *\n    @SinceKotlin("1.5")\n    @ExperimentalTime\n    @Deprecated("Use
'Long.minutes' extension property from Duration.Companion instead.", ReplaceWith("value.minutes",
"\"kotlin.time.Duration.Companion.minutes\""))\n    @DeprecatedSinceKotlin(warningSince = "1.6")\n    public
fun minutes(value: Long): Duration = value.toDuration(DurationUnit.MINUTES)\n\n    /**\n    * Returns a
[Duration] representing the specified [value] number of minutes.\n    *\n    * @throws
IllegalArgumentException if the provided `Double` [value] is `NaN`.\n    *\n    @SinceKotlin("1.5")\n
@ExperimentalTime\n    @Deprecated("Use 'Double.minutes' extension property from Duration.Companion
instead.", ReplaceWith("value.minutes", "\"kotlin.time.Duration.Companion.minutes\""))\n
@DeprecatedSinceKotlin(warningSince = "1.6")\n    public fun minutes(value: Double): Duration =
value.toDuration(DurationUnit.MINUTES)\n\n    /** Returns a [Duration] representing the specified [value]
number of hours. *\n    @SinceKotlin("1.5")\n    @ExperimentalTime\n    @Deprecated("Use 'Int.hours'
extension property from Duration.Companion instead.", ReplaceWith("value.hours",
"\"kotlin.time.Duration.Companion.hours\""))\n    @DeprecatedSinceKotlin(warningSince = "1.6")\n    public
fun hours(value: Int): Duration = value.toDuration(DurationUnit.HOURS)\n\n    /** Returns a [Duration]
representing the specified [value] number of hours. *\n    @SinceKotlin("1.5")\n    @ExperimentalTime\n
@Deprecated("Use 'Long.hours' extension property from Duration.Companion instead.",
ReplaceWith("value.hours", "\"kotlin.time.Duration.Companion.hours\""))\n
@DeprecatedSinceKotlin(warningSince = "1.6")\n    public fun hours(value: Long): Duration =
value.toDuration(DurationUnit.HOURS)\n\n    /**\n    * Returns a [Duration] representing the specified
[value] number of hours.\n    *\n    * @throws IllegalArgumentException if the provided `Double` [value] is
`NaN`.\n    *\n    @SinceKotlin("1.5")\n    @ExperimentalTime\n    @Deprecated("Use 'Double.hours'
extension property from Duration.Companion instead.", ReplaceWith("value.hours",
"\"kotlin.time.Duration.Companion.hours\""))\n    @DeprecatedSinceKotlin(warningSince = "1.6")\n    public
fun hours(value: Double): Duration = value.toDuration(DurationUnit.HOURS)\n\n    /** Returns a [Duration]
representing the specified [value] number of days. *\n    @SinceKotlin("1.5")\n    @ExperimentalTime\n
@Deprecated("Use 'Int.days' extension property from Duration.Companion instead.", ReplaceWith("value.days",
"\"kotlin.time.Duration.Companion.days\""))\n    @DeprecatedSinceKotlin(warningSince = "1.6")\n    public
fun days(value: Int): Duration = value.toDuration(DurationUnit.DAYS)\n\n    /** Returns a [Duration]
representing the specified [value] number of days. *\n    @SinceKotlin("1.5")\n    @ExperimentalTime\n
@Deprecated("Use 'Long.days' extension property from Duration.Companion instead.",
ReplaceWith("value.days", "\"kotlin.time.Duration.Companion.days\""))\n
@DeprecatedSinceKotlin(warningSince = "1.6")\n    public fun days(value: Long): Duration =
value.toDuration(DurationUnit.DAYS)\n\n    /**\n    * Returns a [Duration] representing the specified [value]
number of days.\n    *\n    * @throws IllegalArgumentException if the provided `Double` [value] is `NaN`.\n
*\n    *\n    *\n    @SinceKotlin("1.5")\n    @ExperimentalTime\n    @Deprecated("Use 'Double.days' extension
property from Duration.Companion instead.", ReplaceWith("value.days",
"\"kotlin.time.Duration.Companion.days\""))\n    @DeprecatedSinceKotlin(warningSince = "1.6")\n    public

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fun days(value: Double): Duration = value.toDuration(DurationUnit.DAYS)\n\n    /**\n     * Parses a string that
represents a duration and returns the parsed [Duration] value.\n     *\n     * The following formats are
accepted:\n     *\n     * - ISO-8601 Duration format, e.g. `P1DT2H3M4.058S`, see [toIsoString] and
[parseIsoString].\n     * - The format of string returned by the default [Duration.toString] and `toString` in a
specific unit,\n     * e.g. `10s`, `1h 30m` or `-(1h 30m)`.\n     *\n     * @throws IllegalArgumentException if
the string doesn't represent a duration in any of the supported formats.\n     * @sample
samples.time.Durations.parse\n     */\n    public fun parse(value: String): Duration = try {\n
parseDuration(value, strictIso = false)\n    } catch (e: IllegalArgumentException) {\n        throw
IllegalArgumentException("Invalid duration string format: '$value'.", e)\n    }\n\n    /**\n     * Parses a
string that represents a duration in ISO-8601 format and returns the parsed [Duration] value.\n     *\n     *
@throws IllegalArgumentException if the string doesn't represent a duration in ISO-8601 format.\n     * @sample
samples.time.Durations.parseIsoString\n     */\n    public fun parseIsoString(value: String): Duration = try {\n
parseDuration(value, strictIso = true)\n    } catch (e: IllegalArgumentException) {\n        throw
IllegalArgumentException("Invalid ISO duration string format: '$value'.", e)\n    }\n\n    /**\n     * Parses a
string that represents a duration and returns the parsed [Duration] value,\n     * or `null` if the string doesn't
represent a duration in any of the supported formats.\n     *\n     * The following formats are accepted:\n     *\n     *
- ISO-8601 Duration format, e.g. `P1DT2H3M4.058S`, see [toIsoString] and [parseIsoString].\n     * -
The format of string returned by the default [Duration.toString] and `toString` in a specific unit,\n     * e.g. `10s`,
`1h 30m` or `-(1h 30m)`.\n     * @sample samples.time.Durations.parse\n     */\n    public fun
parseOrNull(value: String): Duration? = try {\n        parseDuration(value, strictIso = false)\n    } catch (e:
IllegalArgumentException) {\n        null\n    }\n\n    /**\n     * Parses a string that represents a duration in
ISO-8601 format and returns the parsed [Duration] value,\n     * or `null` if the string doesn't represent a duration
in ISO-8601 format.\n     * @sample samples.time.Durations.parseIsoString\n     */\n    public fun
parseIsoStringOrNull(value: String): Duration? = try {\n        parseDuration(value, strictIso = true)\n    } catch
(e: IllegalArgumentException) {\n        null\n    }\n\n    // arithmetic operators\n\n    /** Returns the
negative of this value. */\n    public operator fun unaryMinus(): Duration = durationOf(-value,
unitDiscriminator)\n\n    /**\n     * Returns a duration whose value is the sum of this and [other] duration values.\n     *
@throws IllegalArgumentException if the operation results in an undefined value for the given arguments,\n     *
e.g. when adding infinite durations of different sign.\n     */\n    public operator fun plus(other: Duration):
Duration {\n        when {\n            this.isInfinite() -> {\n                if (other.isFinite() || (this.rawValue xor
other.rawValue >= 0))\n                    return this\n                else\n                    throw
IllegalArgumentException("Summing infinite durations of different signs yields an undefined result.")\n            }\n
            other.isInfinite() -> return other\n        }\n        return when {\n            this.unitDiscriminator ==
other.unitDiscriminator -> {\n                val result = this.value + other.value // never overflows long, but can
overflow long63\n                when {\n                    isInNanos() ->\n
durationOfNanosNormalized(result)\n                else ->\n                    durationOfMillisNormalized(result)\n
                }\n            }\n            this.isInMillis() ->\n                addValuesMixedRanges(this.value, other.value)\n
            else ->\n                addValuesMixedRanges(other.value, this.value)\n        }\n    }\n\n    private fun
addValuesMixedRanges(thisMillis: Long, otherNanos: Long): Duration {\n        val otherMillis =
nanosToMillis(otherNanos)\n        val resultMillis = thisMillis + otherMillis\n        return if (resultMillis in -
MAX_NANOS_IN_MILLIS..MAX_NANOS_IN_MILLIS) {\n            val otherNanoRemainder = otherNanos -
millisToNanos(otherMillis)\n            durationOfNanos(millisToNanos(resultMillis) + otherNanoRemainder)\n        }
else {\n            durationOfMillis(resultMillis.coerceIn(-MAX_MILLIS, MAX_MILLIS))\n        }\n    }\n\n    /**\n     * Returns a duration whose value is the difference between this and [other] duration values.\n     *\n     * @throws
IllegalArgumentException if the operation results in an undefined value for the given arguments,\n     * e.g. when
subtracting infinite durations of the same sign.\n     */\n    public operator fun minus(other: Duration): Duration =
this + (-other)\n\n    /**\n     * Returns a duration whose value is this duration value multiplied by the given [scale]
number.\n     *\n     * @throws IllegalArgumentException if the operation results in an undefined value for the given

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-r else r\n } \n\n // splitting to components\n\n /**\n * Splits this duration into days, hours, minutes,
seconds, and nanoseconds and executes the given [action] with these components.\n * The result of [action] is
returned as the result of this function.\n *\n * - `nanoseconds` represents the whole number of nanoseconds in
this duration, and its absolute value is less than 1_000_000_000;\n * - `seconds` represents the whole number of
seconds in this duration, and its absolute value is less than 60;\n * - `minutes` represents the whole number of
minutes in this duration, and its absolute value is less than 60;\n * - `hours` represents the whole number of hours
in this duration, and its absolute value is less than 24;\n * - `days` represents the whole number of days in this
duration.\n *\n * Infinite durations are represented as either [Long.MAX_VALUE] days, or
[Long.MIN_VALUE] days (depending on the sign of infinity),\n * and zeroes in the lower components.\n */\n
public inline fun <T> toComponents(action: (days: Long, hours: Int, minutes: Int, seconds: Int, nanoseconds: Int) -
> T): T {\n    contract { callsInPlace(action, InvocationKind.EXACTLY_ONCE) }\n    return
action(inWholeDays, hoursComponent, minutesComponent, secondsComponent, nanosecondsComponent)\n } \n\n
/**\n * Splits this duration into hours, minutes, seconds, and nanoseconds and executes the given [action] with
these components.\n * The result of [action] is returned as the result of this function.\n *\n * - `nanoseconds`
represents the whole number of nanoseconds in this duration, and its absolute value is less than 1_000_000_000;\n
* - `seconds` represents the whole number of seconds in this duration, and its absolute value is less than 60;\n * -
`minutes` represents the whole number of minutes in this duration, and its absolute value is less than 60;\n * -
`hours` represents the whole number of hours in this duration.\n *\n * Infinite durations are represented as
either [Long.MAX_VALUE] hours, or [Long.MIN_VALUE] hours (depending on the sign of infinity),\n * and
zeroes in the lower components.\n */\n
public inline fun <T> toComponents(action: (hours: Long, minutes: Int,
seconds: Int, nanoseconds: Int) -> T): T {\n    contract { callsInPlace(action, InvocationKind.EXACTLY_ONCE)
}\n    return action(inWholeHours, minutesComponent, secondsComponent, nanosecondsComponent)\n } \n\n
/**\n * Splits this duration into minutes, seconds, and nanoseconds and executes the given [action] with these
components.\n * The result of [action] is returned as the result of this function.\n *\n * - `nanoseconds`
represents the whole number of nanoseconds in this duration, and its absolute value is less than 1_000_000_000;\n
* - `seconds` represents the whole number of seconds in this duration, and its absolute value is less than 60;\n * -
`minutes` represents the whole number of minutes in this duration.\n *\n * Infinite durations are represented as
either [Long.MAX_VALUE] minutes, or [Long.MIN_VALUE] minutes (depending on the sign of infinity),\n *
and zeroes in the lower components.\n */\n
public inline fun <T> toComponents(action: (minutes: Long,
seconds: Int, nanoseconds: Int) -> T): T {\n    contract { callsInPlace(action, InvocationKind.EXACTLY_ONCE)
}\n    return action(inWholeMinutes, secondsComponent, nanosecondsComponent)\n } \n\n
/**\n * Splits
this duration into seconds, and nanoseconds and executes the given [action] with these components.\n * The result
of [action] is returned as the result of this function.\n *\n * - `nanoseconds` represents the whole number of
nanoseconds in this duration, and its absolute value is less than 1_000_000_000;\n * - `seconds` represents the
whole number of seconds in this duration.\n *\n * Infinite durations are represented as either
[Long.MAX_VALUE] seconds, or [Long.MIN_VALUE] seconds (depending on the sign of infinity),\n * and
zero nanoseconds.\n */\n
public inline fun <T> toComponents(action: (seconds: Long, nanoseconds: Int) -> T):
T {\n    contract { callsInPlace(action, InvocationKind.EXACTLY_ONCE) }\n    return
action(inWholeSeconds, nanosecondsComponent)\n } \n\n
@PublishedApi\n internal val hoursComponent:
Int\n    get() = if (isInfinite()) 0 else (inWholeHours % 24).toInt()\n\n
@PublishedApi\n internal val
minutesComponent: Int\n    get() = if (isInfinite()) 0 else (inWholeMinutes % 60).toInt()\n\n
@PublishedApi\n internal val secondsComponent: Int\n    get() = if (isInfinite()) 0 else (inWholeSeconds % 60).toInt()\n\n
@PublishedApi\n internal val nanosecondsComponent: Int\n    get() = when {\n        isInfinite() -> 0\n
isInMillis() -> millisToNanos(value % 1_000).toInt()\n        else -> (value % 1_000_000_000).toInt()\n
}\n\n // -> conversion to units\n\n /**\n * Returns the value of this duration expressed as a [Double] number of
the specified [unit].\n *\n * The operation may involve rounding when the result cannot be represented exactly
with a [Double] number.\n *\n * An infinite duration value is converted either to
[Double.POSITIVE_INFINITY] or [Double.NEGATIVE_INFINITY] depending on its sign.\n */\n
public fun

```

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toDouble(unit: DurationUnit): Double {\n      return when (rawValue) {\n          INFINITE.rawValue ->
Double.POSITIVE_INFINITY\n          NEG_INFINITE.rawValue -> Double.NEGATIVE_INFINITY\n
else -> {\n          // TODO: whether it's ok to convert to Double before scaling\n
convertDurationUnit(value.toDouble(), storageUnit, unit)\n          }\n          }\n          }\n          /**\n      * Returns the value
of this duration expressed as a [Long] number of the specified [unit].\n      *\n      * If the result doesn't fit in the range
of [Long] type, it is coerced into that range:\n      * - [Long.MIN_VALUE] is returned if it's less than
`Long.MIN_VALUE`,\n      * - [Long.MAX_VALUE] is returned if it's greater than `Long.MAX_VALUE`.\n      *\n      * An infinite duration value is converted either to [Long.MAX_VALUE] or [Long.MIN_VALUE] depending on
its sign.\n      */\n      public fun toLong(unit: DurationUnit): Long {\n          return when (rawValue) {\n
INFINITE.rawValue -> Long.MAX_VALUE\n          NEG_INFINITE.rawValue -> Long.MIN_VALUE\n
else -> convertDurationUnit(value, storageUnit, unit)\n          }\n          }\n          /**\n      * Returns the value of this
duration expressed as an [Int] number of the specified [unit].\n      *\n      * If the result doesn't fit in the range of [Int]
type, it is coerced into that range:\n      * - [Int.MIN_VALUE] is returned if it's less than `Int.MIN_VALUE`,\n      * -
[Int.MAX_VALUE] is returned if it's greater than `Int.MAX_VALUE`.\n      *\n      * An infinite duration value is
converted either to [Int.MAX_VALUE] or [Int.MIN_VALUE] depending on its sign.\n      */\n      public fun
toInt(unit: DurationUnit): Int =\n          toLong(unit).coerceIn(Int.MIN_VALUE.toInt(),
Int.MAX_VALUE.toInt()).toInt()\n          /** The value of this duration expressed as a [Double] number of days.
*\n      * @ExperimentalTime\n      * @Deprecated("Use inWholeDays property instead or convert toDouble(DAYS) if a
double value is required.", ReplaceWith("toDouble(DurationUnit.DAYS)"))\n      public val inDays: Double get() =
toDouble(DurationUnit.DAYS)\n          /** The value of this duration expressed as a [Double] number of hours. *\n      *
@ExperimentalTime\n      * @Deprecated("Use inWholeHours property instead or convert toDouble(HOURS) if a
double value is required.", ReplaceWith("toDouble(DurationUnit.HOURS)"))\n      public val inHours: Double
get() = toDouble(DurationUnit.HOURS)\n          /** The value of this duration expressed as a [Double] number of
minutes. *\n      * @ExperimentalTime\n      * @Deprecated("Use inWholeMinutes property instead or convert
toDouble(MINUTES) if a double value is required.", ReplaceWith("toDouble(DurationUnit.MINUTES)"))\n      public val
inMinutes: Double get() = toDouble(DurationUnit.MINUTES)\n          /** The value of this duration
expressed as a [Double] number of seconds. *\n      * @ExperimentalTime\n      * @Deprecated("Use inWholeSeconds
property instead or convert toDouble(SECONDS) if a double value is required.",
ReplaceWith("toDouble(DurationUnit.SECONDS)"))\n      public val inSeconds: Double get() =
toDouble(DurationUnit.SECONDS)\n          /** The value of this duration expressed as a [Double] number of
milliseconds. *\n      * @ExperimentalTime\n      * @Deprecated("Use inWholeMilliseconds property instead or convert
toDouble(MILLISECONDS) if a double value is required.",
ReplaceWith("toDouble(DurationUnit.MILLISECONDS)"))\n      public val inMilliseconds: Double get() =
toDouble(DurationUnit.MILLISECONDS)\n          /** The value of this duration expressed as a [Double] number of
microseconds. *\n      * @ExperimentalTime\n      * @Deprecated("Use inWholeMicroseconds property instead or
convert toDouble(MICROSECONDS) if a double value is required.",
ReplaceWith("toDouble(DurationUnit.MICROSECONDS)"))\n      public val inMicroseconds: Double get() =
toDouble(DurationUnit.MICROSECONDS)\n          /** The value of this duration expressed as a [Double] number of
nanoseconds. *\n      * @ExperimentalTime\n      * @Deprecated("Use inWholeNanoseconds property instead or convert
toDouble(NANOSECONDS) if a double value is required.",
ReplaceWith("toDouble(DurationUnit.NANOSECONDS)"))\n      public val inNanoseconds: Double get() =
toDouble(DurationUnit.NANOSECONDS)\n          /**\n      * The value of this duration expressed as a [Long]
number of days.\n      *\n      * An infinite duration value is converted either to [Long.MAX_VALUE] or
[Long.MIN_VALUE] depending on its sign.\n      */\n      public val inWholeDays: Long\n          get() =
toLong(DurationUnit.DAYS)\n          /**\n      * The value of this duration expressed as a [Long] number of hours.\n
*\n      * An infinite duration value is converted either to [Long.MAX_VALUE] or [Long.MIN_VALUE] depending
on its sign.\n      */\n      public val inWholeHours: Long\n          get() = toLong(DurationUnit.HOURS)\n          /**\n      *
The value of this duration expressed as a [Long] number of minutes.\n      *\n      * An infinite duration value is

```

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converted either to [Long.MAX_VALUE] or [Long.MIN_VALUE] depending on its sign.\n
 */\n public val inWholeMinutes: Long\n
    get() = toLong(DurationUnit.MINUTES)\n
    /**\n
     * The value of this duration expressed as a [Long] number of seconds.\n
     *\n
     * An infinite duration value is converted either to [Long.MAX_VALUE] or [Long.MIN_VALUE] depending on its sign.\n
     */\n public val inWholeSeconds: Long\n
    get() = toLong(DurationUnit.SECONDS)\n
    /**\n
     * The value of this duration expressed as a [Long] number of milliseconds.\n
     *\n
     * An infinite duration value is converted either to [Long.MAX_VALUE] or [Long.MIN_VALUE] depending on its sign.\n
     */\n public val inWholeMilliseconds: Long\n
    get() {\n
        return if (isInMillis() && isFinite()) value else toLong(DurationUnit.MILLISECONDS)\n
    }\n
    /**\n
     * The value of this duration expressed as a [Long] number of microseconds.\n
     *\n
     * If the result doesn't fit in the range of [Long] type, it is coerced into that range:\n
     * - [Long.MIN_VALUE] is returned if it's less than `Long.MIN_VALUE`,\n
     * - [Long.MAX_VALUE] is returned if it's greater than `Long.MAX_VALUE`.\n
     *\n
     * An infinite duration value is converted either to [Long.MAX_VALUE] or [Long.MIN_VALUE] depending on its sign.\n
     */\n public val inWholeMicroseconds: Long\n
    get() = toLong(DurationUnit.MICROSECONDS)\n
    /**\n
     * The value of this duration expressed as a [Long] number of nanoseconds.\n
     *\n
     * If the result doesn't fit in the range of [Long] type, it is coerced into that range:\n
     * - [Long.MIN_VALUE] is returned if it's less than `Long.MIN_VALUE`,\n
     * - [Long.MAX_VALUE] is returned if it's greater than `Long.MAX_VALUE`.\n
     *\n
     * An infinite duration value is converted either to [Long.MAX_VALUE] or [Long.MIN_VALUE] depending on its sign.\n
     */\n public val inWholeNanoseconds: Long\n
    get() {\n
        val value = value\n
        return when {\n
            isInNanos() -> value\n
            value > Long.MAX_VALUE / NANOS_IN_MILLIS -> Long.MAX_VALUE\n
            value < Long.MIN_VALUE / NANOS_IN_MILLIS -> Long.MIN_VALUE\n
            else -> millisToNanos(value)\n
        }\n
    }\n
    /**\n
     * Returns the value of this duration expressed as a [Long] number of nanoseconds.\n
     *\n
     * If the value doesn't fit in the range of [Long] type, it is coerced into that range, see the conversion [Double.toLong] for details.\n
     *\n
     * The range of durations that can be expressed as a `Long` number of nanoseconds is approximately \u00b1292 years.\n
     */\n @ExperimentalTime\n @Deprecated("Use inWholeNanoseconds property instead.", ReplaceWith("this.inWholeNanoseconds"))\n public fun toLongNanoseconds(): Long = inWholeNanoseconds\n
    /**\n
     * Returns the value of this duration expressed as a [Long] number of milliseconds.\n
     *\n
     * The value is coerced to the range of [Long] type, if it doesn't fit in that range, see the conversion [Double.toLong] for details.\n
     *\n
     * The range of durations that can be expressed as a `Long` number of milliseconds is approximately \u00b1292 million years.\n
     */\n @ExperimentalTime\n @Deprecated("Use inWholeMilliseconds property instead.", ReplaceWith("this.inWholeMilliseconds"))\n public fun toLongMilliseconds(): Long = inWholeMilliseconds\n
    /**\n
     * Returns a string representation of this duration value\n
     * expressed as a combination of numeric components, each in its own unit.\n
     *\n
     * Each component is a number followed by the unit abbreviated name: `d`, `h`, `m`, `s`, `s`\n
     * `5h`, `1d 12h`, `1h 0m 30.340s`.\n
     * The last component, usually seconds, can be a number with a fractional part.\n
     *\n
     * If the duration is less than a second, it is represented as a single number\n
     * with one of sub-second units: `ms` (milliseconds), `us` (microseconds), or `ns` (nanoseconds):\n
     * `140.884ms`, `500us`, `24ns`.\n
     *\n
     * A negative duration is prefixed with `-` sign and, if it consists of multiple components, surrounded with parentheses:\n
     * `-12m` and `-(1h 30m)`.\n
     *\n
     * Special cases:\n
     * - an infinite duration is formatted as `"Infinity"` or `"-Infinity"` without a unit.\n
     *\n
     * It's recommended to use [toIsoString] that uses more strict ISO-8601 format instead of this `toString`\n
     * when you want to convert a duration to a string in cases of serialization, interchange, etc.\n
     *\n
     * @sample samples.time.Durations.toStringDefault\n
     */\n override fun toString(): String = when (rawValue) {\n
        OL -> "0s"\n
        INFINITE.rawValue -> "Infinity"\n
        NEG_INFINITE.rawValue -> "-Infinity"\n
        else -> {\n
            val isNegative = isNegative()\n
            buildString {\n
                if (isNegative) append('-')\n
                absoluteValue.toComponents { days, hours, minutes, seconds, nanoseconds -> {\n
                    val hasDays = days != 0\n
                    val hasHours = hours != 0\n
                    val hasMinutes = minutes != 0\n
                    val hasSeconds = seconds != 0 || nanoseconds != 0\n
                    var components = 0\n
                    if (hasDays) {\n
                        append(days).append('d')\n
                    }\n
                }\n
            }\n
        }\n
    }

```

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components++\n                }\n                if (hasHours || (hasDays && (hasMinutes || hasSeconds))) {\n
                    if (components++ > 0) append(' ')\n                        append(hours).append('h')\n                            }\n                            if\n
(hasMinutes || (hasSeconds && (hasHours || hasDays))) {\n                if (components++ > 0) append(' ')\n
                    append(minutes).append('m')\n                        }\n                        if (hasSeconds) {\n                            if\n
(components++ > 0) append(' ')\n                when {\n                    seconds != 0 || hasDays || hasHours ||\n
hasMinutes ->\n                        appendFractional(seconds, nanoseconds, 9, \"s\", isoZeroes = false)\n
nanoseconds >= 1_000_000 ->\n                            appendFractional(nanoseconds / 1_000_000, nanoseconds\n
% 1_000_000, 6, \"ms\", isoZeroes = false)\n                                nanoseconds >= 1_000 ->\n
appendFractional(nanoseconds / 1_000, nanoseconds % 1_000, 3, \"us\", isoZeroes = false)\n                                    else -\n
>\n  append(nanoseconds).append(\"ns\")\n  }\n  }\n  if\n
(isNegative && components > 1) insert(1, (').append('))\n  }\n  }\n  }\n  }\n
private fun\n
StringBuilder.appendFractional(whole: Int, fractional: Int, fractionalSize: Int, unit: String, isoZeroes: Boolean) {\n
    append(whole)\n        if (fractional != 0) {\n            append('.')\n                val fracString =\n
fractional.toString().padStart(fractionalSize, '0')\n                    val nonZeroDigits = fracString.indexOfLast { it != '0' } +\n
1\n                        when {\n                            !isoZeroes && nonZeroDigits < 3 -> appendRange(fracString, 0, nonZeroDigits)\n
else -> appendRange(fracString, 0, ((nonZeroDigits + 2) / 3) * 3)\n                                }\n                                }\n                                append(unit)\n
}\n\n /**\n * Returns a string representation of this duration value expressed in the given [unit]\n * and\n
formatted with the specified [decimals] number of digits after decimal point.\n * \n * Special cases:\n * - an\n
infinite duration is formatted as `\"Infinity\"` or `\"-Infinity\"` without a unit.\n * \n * @param decimals the\n
number of digits after decimal point to show. The value must be non-negative.\n * \n * No more than 12 decimals will\n
be shown, even if a larger number is requested.\n * \n * @return the value of duration in the specified [unit]\n
followed by that unit abbreviated name: `d`, `h`, `m`, `s`, `ms`, `us`, or `ns`.\n * \n * @throws\n
IllegalArgumentException if [decimals] is less than zero.\n * \n * @sample\n
samples.time.Durations.toStringDecimals\n * \n public fun toString(unit: DurationUnit, decimals: Int = 0):\n
String {\n    require(decimals >= 0) { \"decimals must be not negative, but was $decimals\" }\n        val number =\n
toDouble(unit)\n        if (number.isInfinite()) return number.toString()\n            return formatToExactDecimals(number,\n
decimals.coerceAtMost(12)) + unit.shortName()\n        }\n\n /**\n * Returns an ISO-8601 based string\n
representation of this duration.\n * \n * The returned value is presented in the format `PTm>s.fS`, where `h`,\n
`m`, `s` are the integer components of this duration (see [toComponents])\n * and `f` is a fractional part of second.\n
Depending on the roundness of the value the fractional part can be formatted with either\n * 0, 3, 6, or 9 decimal\n
digits.\n * \n * The infinite duration is represented as `\"PT9999999999999999H\"` which is larger than any\n
possible finite duration in Kotlin.\n * \n * Negative durations are indicated with the sign `-` in the beginning of\n
the returned string, for example, `\"-PT5M30S\"`.\n * \n * @sample samples.time.Durations.toIsoString\n
*\n public fun toIsoString(): String = buildString {\n    if (isNegative()) append('-')\n        append(\"PT\")\n
this@Duration.absoluteValue.toComponents { hours, minutes, seconds, nanoseconds ->\n
@Suppress(\"NAME_SHADOWING\")\n        var hours = hours\n            if (isInfinite()) {\n                // use large\n
enough value instead of Long.MAX_VALUE\n                hours = 9_999_999_999_999\n                    }\n                    val\n
hasHours = hours != 0L\n                        val hasSeconds = seconds != 0 || nanoseconds != 0\n                            val hasMinutes =\n
minutes != 0 || (hasSeconds && hasHours)\n                                if (hasHours) {\n                                    append(hours).append('H')\n
}\n                                    if (hasMinutes) {\n  append(minutes).append('M')\n  }\n  if (hasSeconds ||\n
(!hasHours && !hasMinutes)) {\n                            appendFractional(seconds, nanoseconds, 9, \"S\", isoZeroes = true)\n
}\n                            }\n                            }\n                            }\n\n// constructing from number of units\n// extension functions\n/** Returns a [Duration]\n
equal to this [Int] number of the specified [unit].\n
*\n @SinceKotlin(\"1.6\")\n @WasExperimental(ExperimentalTime::class)\n public fun Int.toDuration(unit:\n
DurationUnit): Duration {\n    return if (unit <= DurationUnit.SECONDS) {\n        durationOfNanos(convertDurationUnitOverflow(this.toLong(), unit, DurationUnit.NANOSECONDS))\n    } else\n
toLong().toDuration(unit)\n    }\n\n/** Returns a [Duration] equal to this [Long] number of the specified [unit].\n
*\n @SinceKotlin(\"1.6\")\n @WasExperimental(ExperimentalTime::class)\n public fun Long.toDuration(unit:

```

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DurationUnit): Duration {
    val maxNsInUnit = convertDurationUnitOverflow(MAX_NANOS,
DurationUnit.NANOSECONDS, unit)
    if (this in -maxNsInUnit..maxNsInUnit) {
        return
durationOfNanos(convertDurationUnitOverflow(this, unit, DurationUnit.NANOSECONDS))
    } else {
        val
millis = convertDurationUnit(this, unit, DurationUnit.MILLISECONDS)
        return
durationOfMillis(millis.coerceIn(-MAX_MILLIS, MAX_MILLIS))
    }
}

/**
 * Returns a [Duration] equal
to this [Double] number of the specified [unit].
 * Depending on its magnitude, the value is rounded to an
integer number of nanoseconds or milliseconds.
 * @throws IllegalArgumentException if this `Double` value is
`NaN`.
 */
@SinceKotlin("1.6")
@WasExperimental(ExperimentalTime::class)
public fun
Double.toDuration(unit: DurationUnit): Duration {
    val valueInNs = convertDurationUnit(this, unit,
DurationUnit.NANOSECONDS)
    require(!valueInNs.isNaN()) { "Duration value cannot be NaN." }
    val
nanos = valueInNs.roundToLong()
    return if (nanos in -MAX_NANOS..MAX_NANOS) {
        durationOfNanos(nanos)
    } else {
        val millis = convertDurationUnit(this, unit,
DurationUnit.MILLISECONDS).roundToLong()
        durationOfMillisNormalized(millis)
    }
}

// deprecated extension properties
/**
 * Returns a [Duration] equal to this [Int]
number of nanoseconds.
 */
@SinceKotlin("1.3")
@ExperimentalTime
@Deprecated("Use 'Int.nanoseconds'
extension property from Duration.Companion instead.", ReplaceWith("this.nanoseconds",
"\"kotlin.time.Duration.Companion.nanoseconds\""))
@DeprecatedSinceKotlin(warningSince = "1.5")
public val
Int.nanoseconds get() = toDuration(DurationUnit.NANOSECONDS)

/**
 * Returns a [Duration] equal to this
[Long] number of nanoseconds.
 */
@SinceKotlin("1.3")
@ExperimentalTime
@Deprecated("Use
'Long.nanoseconds' extension property from Duration.Companion instead.", ReplaceWith("this.nanoseconds",
"\"kotlin.time.Duration.Companion.nanoseconds\""))
@DeprecatedSinceKotlin(warningSince = "1.5")
public val
Long.nanoseconds get() = toDuration(DurationUnit.NANOSECONDS)

/**
 * Returns a [Duration] equal to this
[Double] number of nanoseconds.
 * @throws IllegalArgumentException if this [Double] value is `NaN`.
 */
@SinceKotlin("1.3")
@ExperimentalTime
@Deprecated("Use 'Double.nanoseconds' extension property
from Duration.Companion instead.", ReplaceWith("this.nanoseconds",
"\"kotlin.time.Duration.Companion.nanoseconds\""))
@DeprecatedSinceKotlin(warningSince = "1.5")
public val
Double.nanoseconds get() = toDuration(DurationUnit.NANOSECONDS)

/**
 * Returns a [Duration] equal to
this [Int] number of microseconds.
 */
@SinceKotlin("1.3")
@ExperimentalTime
@Deprecated("Use
'Int.microseconds' extension property from Duration.Companion instead.", ReplaceWith("this.microseconds",
"\"kotlin.time.Duration.Companion.microseconds\""))
@DeprecatedSinceKotlin(warningSince = "1.5")
public val
Int.microseconds get() = toDuration(DurationUnit.MICROSECONDS)

/**
 * Returns a [Duration] equal to this
[Long] number of microseconds.
 */
@SinceKotlin("1.3")
@ExperimentalTime
@Deprecated("Use
'Long.microseconds' extension property from Duration.Companion instead.", ReplaceWith("this.microseconds",
"\"kotlin.time.Duration.Companion.microseconds\""))
@DeprecatedSinceKotlin(warningSince = "1.5")
public val
Long.microseconds get() = toDuration(DurationUnit.MICROSECONDS)

/**
 * Returns a [Duration] equal to
this [Double] number of microseconds.
 * @throws IllegalArgumentException if this [Double] value is
`NaN`.
 */
@SinceKotlin("1.3")
@ExperimentalTime
@Deprecated("Use 'Double.microseconds' extension
property from Duration.Companion instead.", ReplaceWith("this.microseconds",
"\"kotlin.time.Duration.Companion.microseconds\""))
@DeprecatedSinceKotlin(warningSince = "1.5")
public val
Double.microseconds get() = toDuration(DurationUnit.MICROSECONDS)

/**
 * Returns a [Duration] equal to
this [Int] number of milliseconds.
 */
@SinceKotlin("1.3")
@ExperimentalTime
@Deprecated("Use
'Int.milliseconds' extension property from Duration.Companion instead.", ReplaceWith("this.milliseconds",
"\"kotlin.time.Duration.Companion.milliseconds\""))
@DeprecatedSinceKotlin(warningSince = "1.5")
public val
Int.milliseconds get() = toDuration(DurationUnit.MILLISECONDS)

/**
 * Returns a [Duration] equal to this
[Long] number of milliseconds.
 */
@SinceKotlin("1.3")
@ExperimentalTime
@Deprecated("Use
'Long.milliseconds' extension property from Duration.Companion instead.", ReplaceWith("this.milliseconds",
"\"kotlin.time.Duration.Companion.milliseconds\""))
@DeprecatedSinceKotlin(warningSince = "1.5")
public val
Long.milliseconds get() = toDuration(DurationUnit.MILLISECONDS)

```

```

[Double] number of milliseconds.\n *\n * @throws IllegalArgumentException if this [Double] value is `NaN`.\n
*\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Double.milliseconds' extension property
from Duration.Companion instead.", ReplaceWith("this.milliseconds",
"kotlin.time.Duration.Companion.milliseconds"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Double.milliseconds get() = toDuration(DurationUnit.MILLISECONDS)\n\n/** Returns a [Duration] equal to this
[Int] number of seconds. *\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Int.seconds'
extension property from Duration.Companion instead.", ReplaceWith("this.seconds",
"kotlin.time.Duration.Companion.seconds"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Int.seconds get() = toDuration(DurationUnit.SECONDS)\n\n/** Returns a [Duration] equal to this [Long] number of
seconds. *\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Long.seconds' extension property
from Duration.Companion instead.", ReplaceWith("this.seconds",
"kotlin.time.Duration.Companion.seconds"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Long.seconds get() = toDuration(DurationUnit.SECONDS)\n\n/**\n * Returns a [Duration] equal to this [Double]
number of seconds.\n *\n * @throws IllegalArgumentException if this [Double] value is `NaN`.\n
*\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Double.seconds' extension property from
Duration.Companion instead.", ReplaceWith("this.seconds",
"kotlin.time.Duration.Companion.seconds"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Double.seconds get() = toDuration(DurationUnit.SECONDS)\n\n/** Returns a [Duration] equal to this [Int]
number of minutes. *\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Int.minutes' extension
property from Duration.Companion instead.", ReplaceWith("this.minutes",
"kotlin.time.Duration.Companion.minutes"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Int.minutes get() = toDuration(DurationUnit.MINUTES)\n\n/** Returns a [Duration] equal to this [Long] number of
minutes. *\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Long.minutes' extension property
from Duration.Companion instead.", ReplaceWith("this.minutes",
"kotlin.time.Duration.Companion.minutes"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Long.minutes get() = toDuration(DurationUnit.MINUTES)\n\n/**\n * Returns a [Duration] equal to this [Double]
number of minutes.\n *\n * @throws IllegalArgumentException if this [Double] value is `NaN`.\n
*\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Double.minutes' extension property from
Duration.Companion instead.", ReplaceWith("this.minutes",
"kotlin.time.Duration.Companion.minutes"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Double.minutes get() = toDuration(DurationUnit.MINUTES)\n\n/** Returns a [Duration] equal to this [Int]
number of hours. *\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Int.hours' extension
property from Duration.Companion instead.", ReplaceWith("this.hours",
"kotlin.time.Duration.Companion.hours"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Int.hours get() = toDuration(DurationUnit.HOURS)\n\n/** Returns a [Duration] equal to this [Long] number of
hours. *\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Long.hours' extension property from
Duration.Companion instead.", ReplaceWith("this.hours",
"kotlin.time.Duration.Companion.hours"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Long.hours get() = toDuration(DurationUnit.HOURS)\n\n/**\n * Returns a [Duration] equal to this [Double]
number of hours.\n *\n * @throws IllegalArgumentException if this [Double] value is `NaN`.\n
*\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Double.hours' extension property from
Duration.Companion instead.", ReplaceWith("this.hours",
"kotlin.time.Duration.Companion.hours"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Double.hours get() = toDuration(DurationUnit.HOURS)\n\n/** Returns a [Duration] equal to this [Int] number of
days. *\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Int.days' extension property from
Duration.Companion instead.", ReplaceWith("this.days",
"kotlin.time.Duration.Companion.days"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val Int.days
get() = toDuration(DurationUnit.DAYS)\n\n/** Returns a [Duration] equal to this [Long] number of days.

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*\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Long.days' extension property from
Duration.Companion instead.", ReplaceWith("this.days",
"\"kotlin.time.Duration.Companion.days\""))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Long.days get() = toDuration(DurationUnit.DAYS)\n\n/** Returns a [Duration] equal to this [Double] number
of days.\n * @throws IllegalArgumentException if this [Double] value is `NaN`.\n
*\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Deprecated("Use 'Double.days' extension property from
Duration.Companion instead.", ReplaceWith("this.days",
"\"kotlin.time.Duration.Companion.days\""))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic val
Double.days get() = toDuration(DurationUnit.DAYS)\n\n/** Returns a duration whose value is the specified
[duration] value multiplied by this number.
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalTime::class)\n@kotlin.internal.InlineOnly\npublic
inline operator fun Int.times(duration: Duration): Duration = duration * this\n\n/** Returns a duration whose
value is the specified [duration] value multiplied by this number.\n * The operation may involve rounding when
the result cannot be represented exactly with a [Double] number.\n * @throws IllegalArgumentException if the
operation results in a `NaN` value.\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalTime::class)\n@kotlin.internal.InlineOnly\npublic
inline operator fun Double.times(duration: Duration): Duration = duration * this\n\n\nprivate fun
parseDuration(value: String, strictIso: Boolean): Duration {\n    var length = value.length\n    if (length == 0) throw
IllegalArgumentException("The string is empty")\n    var index = 0\n    var result = Duration.ZERO\n    val
infinityString = "Infinity"\n    when (value[index]) {\n        '+', '-' -> index++\n    }\n    val hasSign = index > 0\n    val isNegative = hasSign && value.startsWith('-')\n    when {\n        length <= index ->\n            throw
IllegalArgumentException("No components")\n        value[index] == 'P' -> {\n            if (++index == length) throw
IllegalArgumentException()\n            val nonDigitSymbols = "+-." \n            var isTimeComponent = false\n            var prevUnit: DurationUnit? = null\n            while (index < length) {\n                if (value[index] == 'T') {\n                    if (isTimeComponent || ++index == length) throw
IllegalArgumentException()\n                    isTimeComponent =
true\n                    continue\n                }\n                val component = value.substringWhile(index) { it in '0'..'9' || it in
nonDigitSymbols }\n                if (component.isEmpty()) throw
IllegalArgumentException()\n                index +=
component.length\n                val unitChar = value.getOrElse(index) { throw
IllegalArgumentException("Missing unit for value $component") }\n                index++\n                val unit = durationUnitByIsoChar(unitChar,
isTimeComponent)\n                if (prevUnit != null && prevUnit <= unit) throw
IllegalArgumentException("Unexpected order of duration components")\n                prevUnit = unit\n                val
dotIndex = component.indexOf('.')\n                if (unit == DurationUnit.SECONDS && dotIndex > 0) {\n                    val whole = component.substring(0, dotIndex)\n                    result +=
parseOverLongIsoComponent(whole).toDuration(unit)\n                    result +=
component.substring(dotIndex).toDouble().toDuration(unit)\n                } else {\n                    result +=
parseOverLongIsoComponent(component).toDuration(unit)\n                }\n            }\n            strictIso ->\n                throw
IllegalArgumentException()\n            value.regionMatches(index, infinityString, 0, length = maxOf(length -
index, infinityString.length), ignoreCase = true) -> {\n                result = Duration.INFINITE\n            }\n            else -> {\n                // parse default string format\n                var prevUnit: DurationUnit? = null\n                var afterFirst = false\n                var allowSpaces = !hasSign\n                if (hasSign && value[index] == '(' && value.last() == ')') {\n                    allowSpaces = true\n                    if (++index == --length) throw
IllegalArgumentException("No components")\n                }\n                while (index < length) {\n                    if (afterFirst && allowSpaces) {\n                        index =
value.skipWhile(index) { it == ' ' }\n                    }\n                    afterFirst = true\n                    val component =
value.substringWhile(index) { it in '0'..'9' || it == '.' }\n                    if (component.isEmpty()) throw
IllegalArgumentException()\n                    index += component.length\n                    val unitName =
value.substringWhile(index) { it in 'a'..'z' }\n                    index += unitName.length\n                    val unit =
durationUnitByShortName(unitName)\n                    if (prevUnit != null && prevUnit <= unit) throw
IllegalArgumentException("Unexpected order of duration components")\n                    prevUnit = unit\n                val

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dotIndex = component.indexOf('.')\n          if (dotIndex > 0) {\n          val whole = component.substring(0,
dotIndex)\n          result += whole.toLong().toDuration(unit)\n          result +=
component.substring(dotIndex).toDouble().toDuration(unit)\n          if (index < length) throw
IllegalArgumentException("Fractional component must be last")\n          } else {\n          result +=
component.toLong().toDuration(unit)\n          }\n          }\n          }\n          return if (isNegative) -result else
result\n}\n\nprivate fun parseOverLongIsoComponent(value: String): Long {\n  val length = value.length\n  var
startIndex = 0\n  if (length > 0 && value[0] in "+-") startIndex++\n  if ((length - startIndex) > 16 &&
(startIndex..value.lastIndex).all { value[it] in '0'..'9' }) {\n    // all chars are digits, but more than
ceiling(log10(MAX_MILLIS / 1000)) of them\n    return if (value[0] == '-') Long.MIN_VALUE else
Long.MAX_VALUE\n  }\n  // TODO: replace with just toLong after min JDK becomes 8\n  return if
(value.startsWith("+")) value.drop(1).toLong() else value.toLong()\n}\n\nprivate inline fun
String.substringWhile(startIndex: Int, predicate: (Char) -> Boolean): String =\n  substring(startIndex,
skipWhile(startIndex, predicate))\n\nprivate inline fun String.skipWhile(startIndex: Int, predicate: (Char) ->
Boolean): Int {\n  var i = startIndex\n  while (i < length && predicate(this[i])) i++\n  return i\n}\n\n\n\n\n\n//
The ranges are chosen so that they are:\n// - symmetric relative to zero: this greatly simplifies operations with sign,
e.g. unaryMinus and minus.\n// - non-overlapping, but adjacent: the first value that doesn't fit in nanos range, can be
exactly represented in millis.\n\ninternal const val NANOS_IN_MILLIS = 1_000_000\n// maximum number
duration can store in nanosecond range\ninternal const val MAX_NANOS = Long.MAX_VALUE / 2 /
NANOS_IN_MILLIS * NANOS_IN_MILLIS - 1 // ends in ...999_999\n// maximum number duration can store in
millisecond range, also encodes an infinite value\ninternal const val MAX_MILLIS = Long.MAX_VALUE / 2\n//
MAX_NANOS expressed in milliseconds\nprivate const val MAX_NANOS_IN_MILLIS = MAX_NANOS /
NANOS_IN_MILLIS\n\nprivate fun nanosToMillis(nanos: Long): Long = nanos / NANOS_IN_MILLIS\nprivate
fun millisToNanos(millis: Long): Long = millis * NANOS_IN_MILLIS\n\nprivate fun
durationOfNanos(normalNanos: Long) = Duration(normalNanos shl 1)\nprivate fun durationOfMillis(normalMillis:
Long) = Duration((normalMillis shl 1) + 1)\nprivate fun durationOf(normalValue: Long, unitDiscriminator: Int) =
Duration((normalValue shl 1) + unitDiscriminator)\nprivate fun durationOfNanosNormalized(nanos: Long) =\n  if
(nanos in -MAX_NANOS..MAX_NANOS) {\n    durationOfNanos(nanos)\n  } else {\n
durationOfMillis(nanosToMillis(nanos))\n  }\n\nprivate fun durationOfMillisNormalized(millis: Long) =\n  if
(millis in -MAX_NANOS_IN_MILLIS..MAX_NANOS_IN_MILLIS) {\n
durationOfNanos(millisToNanos(millis))\n  } else {\n    durationOfMillis(millis.coerceIn(-MAX_MILLIS,
MAX_MILLIS))\n  }\n\ninternal expect val durationAssertionsEnabled: Boolean\n\ninternal expect fun
formatToExactDecimals(value: Double, decimals: Int): String\n\ninternal expect fun formatUpToDecimals(value:
Double, decimals: Int): String", "/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n@file:kotlin.jvm.JvmName("UnsignedKt")\npackage
kotlin\n\n@PublishedApi\ninternal fun uintCompare(v1: Int, v2: Int): Int = (v1 xor
Int.MIN_VALUE).compareTo(v2 xor Int.MIN_VALUE)\n\n@PublishedApi\ninternal fun ulongCompare(v1: Long,
v2: Long): Int = (v1 xor Long.MIN_VALUE).compareTo(v2 xor Long.MIN_VALUE)\n\n@PublishedApi\ninternal
fun uintDivide(v1: UInt, v2: UInt): UInt = (v1.toLong() / v2.toLong()).toUInt()\n\n@PublishedApi\ninternal fun
uintRemainder(v1: UInt, v2: UInt): UInt = (v1.toLong() % v2.toLong()).toUInt()\n\n// Division and remainder are
based on Guava's UnsignedLongs implementation\n// Copyright 2011 The Guava
Authors\n\n@PublishedApi\ninternal fun ulongDivide(v1: ULong, v2: ULong): ULong {\n  val dividend =
v1.toLong()\n  val divisor = v2.toLong()\n  if (divisor < 0) { // i.e., divisor >= 2^63:\n    return if (v1 < v2)
ULong(0) else ULong(1)\n  }\n  // Optimization - use signed division if both dividend and divisor < 2^63\n  if
(dividend >= 0) {\n    return ULong(dividend / divisor)\n  }\n  // Otherwise, approximate the quotient, check,
and correct if necessary.\n  val quotient = ((dividend ushr 1) / divisor) shl 1\n  val rem = dividend - quotient *
divisor\n  return ULong(quotient + if (ULong(rem) >= ULong(divisor)) 1 else 0)\n}\n\n@PublishedApi\ninternal
fun ulongRemainder(v1: ULong, v2: ULong): ULong {\n  val dividend = v1.toLong()\n  val divisor =

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v2.toLong()\n    if (divisor < 0) { // i.e., divisor >= 2^63:\n        return if (v1 < v2) {\n            v1 // dividend <
divisor\n        } else {\n            v1 - v2 // dividend >= divisor\n        }\n    }\n    // Optimization - use signed
modulus if both dividend and divisor < 2^63\n    if (dividend >= 0) {\n        return ULong(dividend % divisor)\n    }\n    // Otherwise, approximate the quotient, check, and correct if necessary.\n    val quotient = ((dividend ushr 1)
/ divisor) shl 1\n    val rem = dividend - quotient * divisor\n    return ULong(rem - if (ULong(rem) >=
ULong(divisor)) divisor else 0)\n}\n\n@PublishedApi\ninternal fun doubleToUInt(v: Double): UInt = when {\n    v.isNaN() -> 0u\n    v <= UInt.MIN_VALUE.toDouble() -> UInt.MIN_VALUE\n    v >=
UInt.MAX_VALUE.toDouble() -> UInt.MAX_VALUE\n    v <= Int.MAX_VALUE -> v.toInt().toUInt()\n    else -
> (v - Int.MAX_VALUE).toInt().toUInt() + Int.MAX_VALUE.toUInt()    // Int.MAX_VALUE < v <
UInt.MAX_VALUE\n}\n\n@PublishedApi\ninternal fun doubleToULong(v: Double): ULong = when {\n    v.isNaN() -> 0u\n    v <= ULong.MIN_VALUE.toDouble() -> ULong.MIN_VALUE\n    v >=
ULong.MAX_VALUE.toDouble() -> ULong.MAX_VALUE\n    v < Long.MAX_VALUE ->
v.toLong().toULong()\n    // Real values from Long.MAX_VALUE to (Long.MAX_VALUE + 1) are not
representable in Double, so don't handle them.\n    else -> (v - 9223372036854775808.0).toLong().toULong() +
9223372036854775808uL    // Long.MAX_VALUE + 1 < v <
ULong.MAX_VALUE\n}\n\n@PublishedApi\ninternal fun uintToDouble(v: Int): Double = (v and
Int.MAX_VALUE).toDouble() + (v ushr 31 shl 30).toDouble() * 2\n\n@PublishedApi\ninternal fun
ulongToDouble(v: Long): Double = (v ushr 11).toDouble() * 2048 + (v and 2047)\n\n\ninternal fun
ulongToString(v: Long): String = ulongToString(v, 10)\n\n\ninternal fun ulongToString(v: Long, base: Int): String {\n    if (v >= 0) return v.toString(base)\n    var quotient = ((v ushr 1) / base) shl 1\n    var rem = v - quotient * base\n    if (rem >= base) {\n        rem -= base\n        quotient += 1\n    }\n    return quotient.toString(base) +
rem.toString(base)\n}\n\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("CollectionsKt")\n\npackage
kotlin.collections\n\n/**\n * Given an [iterator] function constructs an [Iterable] instance that returns values through
the [Iterator]\n * provided by that function.\n * @sample samples.collections.Iterables.Building.iterable\n
*\n\n@kotlin.internal.InlineOnly\npublic inline fun <T> Iterable(crossinline iterator: () -> Iterator<T>): Iterable<T>
= object : Iterable<T> {\n    override fun iterator(): Iterator<T> = iterator()\n}\n\n/**\n * A wrapper over another
[Iterable] (or any other object that can produce an [Iterator]) that returns\n * an indexing iterator.\n *\n\ninternal class
IndexingIterable<out T>(private val iteratorFactory: () -> Iterator<T>) : Iterable<IndexedValue<T>> {\n    override
fun iterator(): Iterator<IndexedValue<T>> = IndexingIterator(iteratorFactory())\n}\n\n\n/**\n * Returns the size of
this iterable if it is known, or `null` otherwise.\n *\n\n@PublishedApi\ninternal fun <T>
Iterable<T>.collectionSizeOrNull(): Int? = if (this is Collection<*>) this.size else null\n\n\n/**\n * Returns the size of
this iterable if it is known, or the specified [default] value otherwise.\n *\n\n@PublishedApi\ninternal fun <T>
Iterable<T>.collectionSizeOrDefault(default: Int): Int = if (this is Collection<*>) this.size else default\n\n\n\n/**\n *
Returns a single list of all elements from all collections in the given collection.\n * @sample
samples.collections.Iterables.Operations.flattenIterable\n *\n\npublic fun <T> Iterable<Iterable<T>>.flatten():
List<T> {\n    val result = ArrayList<T>()\n    for (element in this) {\n        result.addAll(element)\n    }\n    return
result\n}\n\n\n/**\n * Returns a pair of lists, where\n * *first* list is built from the first values of each pair from this
collection,\n * *second* list is built from the second values of each pair from this collection.\n * @sample
samples.collections.Iterables.Operations.unzipIterable\n *\n\npublic fun <T, R> Iterable<Pair<T, R>>.unzip():
Pair<List<T>, List<R>> {\n    val expectedSize = collectionSizeOrDefault(10)\n    val listT =
ArrayList<T>(expectedSize)\n    val listR = ArrayList<R>(expectedSize)\n    for (pair in this) {\n        listT.add(pair.first)\n        listR.add(pair.second)\n    }\n    return listT to listR\n}\n\n", "/*\n * Copyright 2010-2020
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("SequencesKt")\n\npackage

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kotlin.sequences\n\nimport kotlin.random.Random\n\n/**\n * Given an [iterator] function constructs a [Sequence]  

that returns values through the [Iterator]\n * provided by that function.\n * The values are evaluated lazily, and the  

sequence is potentially infinite.\n *\n * @sample samples.collections.Sequences.Building.sequenceFromIterator\n\n*/\n@kotlin.internal.InlineOnly\npublic inline fun <T> Sequence(crossinline iterator: () -> Iterator<T>):  

Sequence<T> = object : Sequence<T> {\n    override fun iterator(): Iterator<T> = iterator()\n}\n\n/**\n * Creates a  

sequence that returns all elements from this iterator. The sequence is constrained to be iterated only once.\n *\n * @sample samples.collections.Sequences.Building.sequenceFromIterator\n\n*/\npublic fun <T>  

Iterator<T>.asSequence(): Sequence<T> = Sequence { this }.constrainOnce()\n\n/**\n * Creates a sequence that  

returns the specified values.\n *\n * @sample samples.collections.Sequences.Building.sequenceOfValues\n\n*/\npublic fun <T> sequenceOf(vararg elements: T): Sequence<T> = if (elements.isEmpty()) emptySequence() else  

elements.asSequence()\n\n/**\n * Returns an empty sequence.\n *\n */\npublic fun <T> emptySequence():  

Sequence<T> = EmptySequence\n\nprivate object EmptySequence : Sequence<Nothing>,  

DropTakeSequence<Nothing> {\n    override fun iterator(): Iterator<Nothing> = EmptyIterator\n    override fun  

drop(n: Int) = EmptySequence\n    override fun take(n: Int) = EmptySequence\n}\n\n/**\n * Returns this sequence if  

it's not `null` and the empty sequence otherwise.\n *\n * @sample  

samples.collections.Sequences.Usage.sequenceOrEmpty\n\n*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>?.orEmpty():  

Sequence<T> = this ?: emptySequence()\n\n/**\n * Returns a sequence that iterates through the elements either of  

this sequence\n * or, if this sequence turns out to be empty, of the sequence returned by [defaultValue] function.\n *\n * @sample samples.collections.Sequences.Usage.sequenceIfEmpty\n\n*/\n@SinceKotlin("1.3")\npublic fun  

<T> Sequence<T>.ifEmpty(defaultValue: () -> Sequence<T>): Sequence<T> = sequence {\n    val iterator =  

this@ifEmpty.iterator()\n    if (iterator.hasNext()) {\n        yieldAll(iterator)\n    } else {\n  

yieldAll(defaultValue())\n    }\n}\n\n/**\n * Returns a sequence of all elements from all sequences in this  

sequence.\n *\n * The operation is _intermediate_ and _stateless_.\n *\n * @sample  

samples.collections.Sequences.Transformations.flattenSequenceOfSequences\n\n*/\npublic fun <T>  

Sequence<Sequence<T>>.flatten(): Sequence<T> = flatten { it.iterator() }\n\n/**\n * Returns a sequence of all  

elements from all iterables in this sequence.\n *\n * The operation is _intermediate_ and _stateless_.\n *\n * @sample  

samples.collections.Sequences.Transformations.flattenSequenceOfLists\n\n*/\n@kotlin.jvm.JvmName("flattenSequenceOfIterable")\npublic fun <T> Sequence<Iterable<T>>.flatten():  

Sequence<T> = flatten { it.iterator() }\n\nprivate fun <T, R> Sequence<T>.flatten(iterator: (T) -> Iterator<R>):  

Sequence<R> {\n    if (this is TransformingSequence<*, *>) {\n        return (this as TransformingSequence<*,  

T>).flatten(iterator)\n    }\n    return FlatteningSequence(this, { it }, iterator)\n}\n\n/**\n * Returns a pair of lists,  

where\n * *first* list is built from the first values of each pair from this sequence,\n * *second* list is built from the  

second values of each pair from this sequence.\n *\n * The operation is _terminal_.\n *\n * @sample  

samples.collections.Sequences.Transformations.unzip\n\n*/\npublic fun <T, R> Sequence<Pair<T, R>>.unzip():  

Pair<List<T>, List<R>> {\n    val listT = ArrayList<T>()\n    val listR = ArrayList<R>()\n    for (pair in this) {\n  

listT.add(pair.first)\n        listR.add(pair.second)\n    }\n    return listT to listR\n}\n\n/**\n * Returns a sequence that  

yields elements of this sequence randomly shuffled.\n *\n * Note that every iteration of the sequence returns  

elements in a different order.\n *\n * The operation is _intermediate_ and _stateful_.\n\n*/\n@SinceKotlin("1.4")\npublic fun <T> Sequence<T>.shuffled(): Sequence<T> = shuffled(Random)\n\n/**\n * Returns a sequence that yields elements of this sequence randomly shuffled\n * using the specified [random]  

instance as the source of randomness.\n *\n * Note that every iteration of the sequence returns elements in a  

different order.\n *\n * The operation is _intermediate_ and _stateful_.\n\n*/\n@SinceKotlin("1.4")\npublic fun <T>  

Sequence<T>.shuffled(random: Random): Sequence<T> = sequence<T> {\n    val buffer = toMutableList()\n    while (buffer.isNotEmpty()) {\n        val j = random.nextInt(buffer.size)\n        val last = buffer.removeLast()\n  

val value = if (j < buffer.size) buffer.set(j, last) else last\n        yield(value)\n    }\n}\n\n/**\n * A sequence that  

returns the values from the underlying [sequence] that either match or do not match\n * the specified [predicate].\n *\n * @param sendWhen If `true`, values for which the predicate returns `true` are returned. Otherwise,\n * values

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premise iteration\n    private fun drop() {\n        while (left > 0 && iterator.hasNext()) {\n
iterator.next()\n            left--\n        }\n    }\n    override fun next(): T {\n        drop()\n        return
iterator.next()\n    }\n    override fun hasNext(): Boolean {\n        drop()\n        return iterator.hasNext()\n
    }\n}\n\n/**\n * A sequence that skips the values from the underlying [sequence] while the given
[predicate] returns `true` and returns\n * all values after that.\n */\ninternal class
DropWhileSequence<T>\nconstructor(\n    private val sequence: Sequence<T>,\n    private val predicate: (T) ->
Boolean\n) : Sequence<T> {\n    override fun iterator(): Iterator<T> = object : Iterator<T> {\n        val iterator =
sequence.iterator()\n        var dropState: Int = -1 // -1 for not dropping, 1 for nextItem, 0 for normal iteration\n
var nextItem: T? = null\n        private fun drop() {\n            while (iterator.hasNext()) {\n                val item =
iterator.next()\n                if (!predicate(item)) {\n                    nextItem = item\n                    dropState = 1\n
return\n                }\n            }\n            dropState = 0\n        }\n        override fun next(): T {\n            if
(dropState == -1)\n                drop()\n            if (dropState == 1) {\n
@Suppress("UNCHECKED_CAST")\n                val result = nextItem as T\n                nextItem = null\n
dropState = 0\n                return result\n            }\n            return iterator.next()\n        }\n        override fun
hasNext(): Boolean {\n            if (dropState == -1)\n                drop()\n            return dropState == 1 ||
iterator.hasNext()\n        }\n    }\n}\n\ninternal class DistinctSequence<T, K>(private val source: Sequence<T>,\nprivate val keySelector: (T) -> K) : Sequence<T> {\n    override fun iterator(): Iterator<T> =
DistinctIterator(source.iterator(), keySelector)\n}\n\nprivate class DistinctIterator<T, K>(private val source:
Iterator<T>,\nprivate val keySelector: (T) -> K) : AbstractIterator<T>() {\n    private val observed =
HashSet<K>()\n    override fun computeNext() {\n        while (source.hasNext()) {\n            val next =
source.next()\n            val key = keySelector(next)\n            if (observed.add(key)) {\n                setNext(next)\n
return\n            }\n        }\n        done()\n    }\n}\n\nprivate class GeneratorSequence<T : Any>(private val
getInitialValue: () -> T?,\nprivate val getNextValue: (T) -> T?) : Sequence<T> {\n    override fun iterator():
Iterator<T> = object : Iterator<T> {\n        var nextItem: T? = null\n        var nextState: Int = -2 // -2 for initial
unknown, -1 for next unknown, 0 for done, 1 for continue\n        private fun calcNext() {\n            nextItem = if
(nextState == -2) getInitialValue() else getNextValue(nextItem!!)\n            nextState = if (nextItem == null) 0 else
1\n        }\n        override fun next(): T {\n            if (nextState < 0)\n                calcNext()\n            if (nextState
== 0)\n                throw NoSuchElementException()\n            val result = nextItem as T\n            // Do not clean
nextItem (to avoid keeping reference on yielded instance) -- need to keep state for getNextValue\n            nextState
= -1\n            return result\n        }\n        override fun hasNext(): Boolean {\n            if (nextState < 0)\n
calcNext()\n            return nextState == 1\n        }\n    }\n}\n\n/**\n * Returns a wrapper sequence that provides
values of this sequence, but ensures it can be iterated only one time.\n * The operation is _intermediate_ and
_stateless_\n * [IllegalStateException] is thrown on iterating the returned sequence for the second time and the
following times.\n */\npublic fun <T> Sequence<T>.constrainOnce(): Sequence<T> {\n    // as? does not work
in js\n    //return this as? ConstrainedOnceSequence<T>?: ConstrainedOnceSequence(this)\n    return if (this is
ConstrainedOnceSequence<T>) this else ConstrainedOnceSequence(this)\n}\n\n/**\n * Returns a sequence which
invokes the function to calculate the next value on each iteration until the function returns `null`.\n * The
returned sequence is constrained to be iterated only once.\n * @see constrainOnce\n * @see
kotlin.sequences.sequence\n */\n * @sample samples.collections.Sequences.Building.generateSequence\n */\npublic
fun <T : Any> generateSequence(nextFunction: () -> T?): Sequence<T> {\n    return
GeneratorSequence(nextFunction, { nextFunction() }).constrainOnce()\n}\n\n/**\n * Returns a sequence defined by
the starting value [seed] and the function [nextFunction],\n * which is invoked to calculate the next value based on
the previous one on each iteration.\n * The sequence produces values until it encounters first `null` value.\n * If
[seed] is `null`, an empty sequence is produced.\n * The sequence can be iterated multiple times, each time
starting with [seed].\n * @see kotlin.sequences.sequence\n */\n * @sample
samples.collections.Sequences.Building.generateSequenceWithSeed\n
*/\n@kotlin.internal.LowPriorityInOverloadResolution\npublic fun <T : Any> generateSequence(seed: T?,
nextFunction: (T) -> T?): Sequence<T> =\n    if (seed == null)\n        EmptySequence\n    else\n

```

```

GeneratorSequence({ seed }, nextFunction)\n\n/**\n * Returns a sequence defined by the function [seedFunction],
which is invoked to produce the starting value,\n * and the [nextFunction], which is invoked to calculate the next
value based on the previous one on each iteration.\n *\n * The sequence produces values until it encounters first
`null` value.\n * If [seedFunction] returns `null`, an empty sequence is produced.\n *\n * The sequence can be
iterated multiple times.\n *\n * @see kotlin.sequences.sequence\n *\n * @sample
samples.collections.Sequences.Building.generateSequenceWithLazySeed\n */\npublic fun <T : Any>
generateSequence(seedFunction: () -> T?, nextFunction: (T) -> T?): Sequence<T> =\n
GeneratorSequence(seedFunction, nextFunction)\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("PreconditionsKt")\n\npackage
kotlin\n\nimport kotlin.contracts.contract\n\n/**\n * Throws an [IllegalArgumentException] if the [value] is false.\n
*\n * @sample samples.misc.Preconditions.failRequireWithLazyMessage\n */\n@kotlin.internal.InlineOnly\npublic
inline fun require(value: Boolean): Unit {\n    contract {\n        returns() implies value\n    }\n    require(value) {\n
"Failed requirement." }\n}\n\n/**\n * Throws an [IllegalArgumentException] with the result of calling
[lazyMessage] if the [value] is false.\n *\n * @sample samples.misc.Preconditions.failRequireWithLazyMessage\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun require(value: Boolean, lazyMessage: () -> Any): Unit {\n
contract {\n    returns() implies value\n }\n    if (!value) {\n        val message = lazyMessage()\n        throw
IllegalArgumentException(message.toString())\n    }\n}\n\n/**\n * Throws an [IllegalArgumentException] if the
[value] is null. Otherwise returns the not null value.\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T : Any>
requireNotNull(value: T?): T {\n    contract {\n        returns() implies (value != null)\n    }\n    return
requireNotNull(value) { "Required value was null." }\n}\n\n/**\n * Throws an [IllegalArgumentException] with
the result of calling [lazyMessage] if the [value] is null. Otherwise\n * returns the not null value.\n *\n * @sample
samples.misc.Preconditions.failRequireNotNullWithLazyMessage\n */\n@kotlin.internal.InlineOnly\npublic inline
fun <T : Any> requireNotNull(value: T?, lazyMessage: () -> Any): T {\n    contract {\n        returns() implies (value
!= null)\n    }\n    if (value == null) {\n        val message = lazyMessage()\n        throw
IllegalArgumentException(message.toString())\n    } else {\n        return value\n    }\n}\n\n/**\n * Throws an
[IllegalStateException] if the [value] is false.\n *\n * @sample
samples.misc.Preconditions.failCheckWithLazyMessage\n */\n@kotlin.internal.InlineOnly\npublic inline fun
check(value: Boolean): Unit {\n    contract {\n        returns() implies value\n    }\n    check(value) { "Check failed."
}\n}\n\n/**\n * Throws an [IllegalStateException] with the result of calling [lazyMessage] if the [value] is false.\n
*\n * @sample samples.misc.Preconditions.failCheckWithLazyMessage\n */\n@kotlin.internal.InlineOnly\npublic
inline fun check(value: Boolean, lazyMessage: () -> Any): Unit {\n    contract {\n        returns() implies value\n    }\n
    if (!value) {\n        val message = lazyMessage()\n        throw IllegalStateException(message.toString())\n    }\n}\n\n/**\n * Throws an [IllegalStateException] if the [value] is null. Otherwise\n * returns the not null value.\n
*\n * @sample samples.misc.Preconditions.failCheckWithLazyMessage\n */\n@kotlin.internal.InlineOnly\npublic
inline fun <T : Any> checkNotNull(value: T?): T {\n    contract {\n        returns() implies (value != null)\n    }\n
    return checkNotNull(value) { "Required value was null." }\n}\n\n/**\n * Throws an [IllegalStateException] with
the result of calling [lazyMessage] if the [value] is null. Otherwise\n * returns the not null value.\n *\n * @sample
samples.misc.Preconditions.failCheckWithLazyMessage\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T :
Any> checkNotNull(value: T?, lazyMessage: () -> Any): T {\n    contract {\n        returns() implies (value != null)\n
    }\n    if (value == null) {\n        val message = lazyMessage()\n        throw
IllegalStateException(message.toString())\n    } else {\n        return value\n    }\n}\n\n/**\n * Throws an
[IllegalStateException] with the given [message].\n *\n * @sample samples.misc.Preconditions.failWithError\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun error(message: Any): Nothing = throw
IllegalStateException(message.toString())\n\n"/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.collections\n\n/\n\n// NOTE: THIS FILE IS AUTO-GENERATED

```

by the `GenerateStandardLib.kt` See: <https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib>

```

import kotlin.js.*
import primitiveArrayConcat
import withType
import kotlin.ranges.contains
import kotlin.ranges.reversed

n * Returns an element at the given [index] or throws an
[IndexOutOfBoundsException] if the [index] is out of bounds of this array.
n * @sample
samples.collections.Collections.Elements.elementAt

n * \npublic actual fun <T> Array<out T>.elementAt(index:
Int): T {
n   return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size")}
}
n}
n}
n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.
n * @sample
samples.collections.Collections.Elements.elementAt

n * \npublic
actual fun ByteArray.elementAt(index: Int): Byte {
n   return elementAtOrElse(index) { throw
IndexOutOfBoundsException("index: $index, size: $size")}
}
n}
n}
n * Returns an element at the given
[index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.
n * @sample
samples.collections.Collections.Elements.elementAt

n * \npublic actual fun ShortArray.elementAt(index: Int): Short
{
n   return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size")}
}
n}
n}
n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.
n * @sample
samples.collections.Collections.Elements.elementAt

n * \npublic
actual fun IntArray.elementAt(index: Int): Int {
n   return elementAtOrElse(index) { throw
IndexOutOfBoundsException("index: $index, size: $size")}
}
n}
n}
n * Returns an element at the given
[index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.
n * @sample
samples.collections.Collections.Elements.elementAt

n * \npublic actual fun LongArray.elementAt(index: Int): Long
{
n   return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size")}
}
n}
n}
n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.
n * @sample
samples.collections.Collections.Elements.elementAt

n * \npublic
actual fun FloatArray.elementAt(index: Int): Float {
n   return elementAtOrElse(index) { throw
IndexOutOfBoundsException("index: $index, size: $size")}
}
n}
n}
n * Returns an element at the given
[index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.
n * @sample
samples.collections.Collections.Elements.elementAt

n * \npublic actual fun DoubleArray.elementAt(index: Int):
Double {
n   return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size")}
}
n}
n}
n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.
n * @sample
samples.collections.Collections.Elements.elementAt

n * \npublic
actual fun BooleanArray.elementAt(index: Int): Boolean {
n   return elementAtOrElse(index) { throw
IndexOutOfBoundsException("index: $index, size: $size")}
}
n}
n}
n * Returns an element at the given
[index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.
n * @sample
samples.collections.Collections.Elements.elementAt

n * \npublic actual fun CharArray.elementAt(index: Int): Char
{
n   return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size")}
}
n}
n}
n * Returns a [List] that wraps the original array.
n * \npublic actual fun <T> Array<out T>.asList():
List<T> {
n   return ArrayList<T>(this.unsafeCast<Array<Any?>>())
}
n}
n}
n * Returns a [List] that wraps the
original array.
n * \n@kotlin.internal.InlineOnly\npublic actual inline fun ByteArray.asList(): List<Byte> {
n   return this.unsafeCast<Array<Byte>>().asList()
}
n}
n}
n * Returns a [List] that wraps the original array.
n * \n@kotlin.internal.InlineOnly\npublic actual inline fun ShortArray.asList(): List<Short> {
n   return
this.unsafeCast<Array<Short>>().asList()
}
n}
n}
n * Returns a [List] that wraps the original array.
n * \n@kotlin.internal.InlineOnly\npublic actual inline fun IntArray.asList(): List<Int> {
n   return
this.unsafeCast<Array<Int>>().asList()
}
n}
n}
n * Returns a [List] that wraps the original array.
n * \n@kotlin.internal.InlineOnly\npublic actual inline fun LongArray.asList(): List<Long> {
n   return
this.unsafeCast<Array<Long>>().asList()
}
n}
n}
n * Returns a [List] that wraps the original array.
n * \n@kotlin.internal.InlineOnly\npublic actual inline fun FloatArray.asList(): List<Float> {
n   return
this.unsafeCast<Array<Float>>().asList()
}
n}
n}
n * Returns a [List] that wraps the original array.
n * \n@kotlin.internal.InlineOnly\npublic actual inline fun DoubleArray.asList(): List<Double> {
n   return
this.unsafeCast<Array<Double>>().asList()
}
n}
n}
n * Returns a [List] that wraps the original array.

```

```

*\n@kotlin.internal.InlineOnly\npublic actual inline fun BooleanArray.asList(): List<Boolean> {\n    return
this.unsafeCast<Array<Boolean>>().asList()\n}\n\n/**\n * Returns a [List] that wraps the original array.\n
*\npublic actual fun CharArray.asList(): List<Char> {\n    return object : AbstractList<Char>(), RandomAccess {\n
        override val size: Int get() = this@asList.size\n        override fun isEmpty(): Boolean = this@asList.isEmpty()\n
        override fun contains(element: Char): Boolean = this@asList.contains(element)\n        override fun get(index: Int):
Char {\n            AbstractList.checkElementIndex(index, size)\n            return this@asList[index]\n        }\n
        override fun indexOf(element: Char): Int {\n            @Suppress("USELESS_CAST")\n            if ((element as
Any?) !is Char) return -1\n            return this@asList.indexOf(element)\n        }\n        override fun
lastIndexOf(element: Char): Int {\n            @Suppress("USELESS_CAST")\n            if ((element as Any?) !is
Char) return -1\n            return this@asList.lastIndexOf(element)\n        }\n    }\n}\n\n/**\n * Returns `true` if the
two specified arrays are *deeply* equal to one another,\n * i.e. contain the same number of the same elements in the
same order.\n * \n * If two corresponding elements are nested arrays, they are also compared deeply.\n * If any of
arrays contains itself on any nesting level the behavior is undefined.\n * \n * The elements of other types are
compared for equality with the [equals][Any.equals] function.\n * For floating point numbers it means that `NaN` is
equal to itself and `-0.0` is not equal to `0.0`.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.LowPriorityInOverloadResolution\npublic actual infix fun <T>
Array<out T>.contentDeepEquals(other: Array<out T>): Boolean {\n    return
this.contentDeepEquals(other)\n}\n\n/**\n * Returns `true` if the two specified arrays are *deeply* equal to one
another,\n * i.e. contain the same number of the same elements in the same order.\n * \n * The specified arrays are
also considered deeply equal if both are `null`.\n * \n * If two corresponding elements are nested arrays, they are
also compared deeply.\n * If any of arrays contains itself on any nesting level the behavior is undefined.\n * \n * The
elements of other types are compared for equality with the [equals][Any.equals] function.\n * For floating point
numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n
*\n@SinceKotlin("1.4")\n@library("arrayDeepEquals")\npublic actual infix fun <T> Array<out
T>?.contentDeepEquals(other: Array<out T>?): Boolean {\n    definedExternally\n}\n\n/**\n * Returns a hash code
based on the contents of this array as if it is [List].\n * Nested arrays are treated as lists too.\n * \n * If any of arrays
contains itself on any nesting level the behavior is undefined.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.LowPriorityInOverloadResolution\npublic actual fun <T> Array<out
T>.contentDeepHashCode(): Int {\n    return this.contentDeepHashCode()\n}\n\n/**\n * Returns a hash code based
on the contents of this array as if it is [List].\n * Nested arrays are treated as lists too.\n * \n * If any of arrays
contains itself on any nesting level the behavior is undefined.\n
*\n@SinceKotlin("1.4")\n@library("arrayDeepHashCode")\npublic actual fun <T> Array<out
T>?.contentDeepHashCode(): Int {\n    definedExternally\n}\n\n/**\n * Returns a string representation of the
contents of this array as if it is a [List].\n * Nested arrays are treated as lists too.\n * \n * If any of arrays contains
itself on any nesting level that reference\n * is rendered as `"[...]"` to prevent recursion.\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentDeepToString\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.LowPriorityInOverloadResolution\npublic actual fun <T> Array<out
T>.contentDeepToString(): String {\n    return this.contentDeepToString()\n}\n\n/**\n * Returns a string
representation of the contents of this array as if it is a [List].\n * Nested arrays are treated as lists too.\n * \n * If any
of arrays contains itself on any nesting level that reference\n * is rendered as `"[...]"` to prevent recursion.\n * \n *
@sample samples.collections.Arrays.ContentOperations.contentDeepToString\n
*\n@SinceKotlin("1.4")\n@library("arrayDeepToString")\npublic actual fun <T> Array<out
T>?.contentDeepToString(): String {\n    definedExternally\n}\n\n/**\n * Returns `true` if the two specified arrays
are *structurally* equal to one another,\n * i.e. contain the same number of the same elements in the same order.\n *
\n * The elements are compared for equality with the [equals][Any.equals] function.\n * For floating point numbers
it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n
*\n@Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic
actual infix fun <T> Array<out T>.contentEquals(other: Array<out T>): Boolean {\n    return

```

`this.contentEquals(other)` Returns `true` if the two specified arrays are *structurally* equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the `[equals][Any.equals]` function. For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.

`ByteArray.contentEquals(other: ByteArray): Boolean` Returns `true` if the two specified arrays are *structurally* equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the `[equals][Any.equals]` function. For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.

`ShortArray.contentEquals(other: ShortArray): Boolean` Returns `true` if the two specified arrays are *structurally* equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the `[equals][Any.equals]` function. For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.

`IntArray.contentEquals(other: IntArray): Boolean` Returns `true` if the two specified arrays are *structurally* equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the `[equals][Any.equals]` function. For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.

`LongArray.contentEquals(other: LongArray): Boolean` Returns `true` if the two specified arrays are *structurally* equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the `[equals][Any.equals]` function. For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.

`FloatArray.contentEquals(other: FloatArray): Boolean` Returns `true` if the two specified arrays are *structurally* equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the `[equals][Any.equals]` function. For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.

`DoubleArray.contentEquals(other: DoubleArray): Boolean` Returns `true` if the two specified arrays are *structurally* equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the `[equals][Any.equals]` function. For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.

`BooleanArray.contentEquals(other: BooleanArray): Boolean` Returns `true` if the two specified arrays are *structurally* equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the `[equals][Any.equals]` function. For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.

`CharArray.contentEquals(other: CharArray): Boolean` Returns



on the contents of this array as if it is [List].\n \*\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation warning.\n")\n@SinceKotlin(\n"1.1")\n@DeprecatedSinceKotlin(hiddenSince = \n"1.4")\n\npublic actual fun  
ByteArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based on  
the contents of this array as if it is [List].\n \*\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation warning.\n")\n@SinceKotlin(\n"1.1")\n@DeprecatedSinceKotlin(hiddenSince = \n"1.4")\n\npublic actual fun  
ShortArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based on  
the contents of this array as if it is [List].\n \*\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation warning.\n")\n@SinceKotlin(\n"1.1")\n@DeprecatedSinceKotlin(hiddenSince = \n"1.4")\n\npublic actual fun  
IntArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based on  
the contents of this array as if it is [List].\n \*\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation warning.\n")\n@SinceKotlin(\n"1.1")\n@DeprecatedSinceKotlin(hiddenSince = \n"1.4")\n\npublic actual fun  
LongArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based on  
the contents of this array as if it is [List].\n \*\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation warning.\n")\n@SinceKotlin(\n"1.1")\n@DeprecatedSinceKotlin(hiddenSince = \n"1.4")\n\npublic actual fun  
FloatArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based on  
the contents of this array as if it is [List].\n \*\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation warning.\n")\n@SinceKotlin(\n"1.1")\n@DeprecatedSinceKotlin(hiddenSince = \n"1.4")\n\npublic actual fun  
DoubleArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based  
on the contents of this array as if it is [List].\n \*\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation warning.\n")\n@SinceKotlin(\n"1.1")\n@DeprecatedSinceKotlin(hiddenSince = \n"1.4")\n\npublic actual fun  
BooleanArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based  
on the contents of this array as if it is [List].\n \*\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation warning.\n")\n@SinceKotlin(\n"1.1")\n@DeprecatedSinceKotlin(hiddenSince = \n"1.4")\n\npublic actual fun  
CharArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based on  
the contents of this array as if it is [List].\n \*\n@SinceKotlin(\n"1.4")\n@library(\n"arrayHashCode")\n\npublic actual  
fun <T> Array<out T>?.contentHashCode(): Int {\n definedExternally\n}\n\n/\*\*\n \* Returns a hash code based on the  
contents of this array as if it is [List].\n \*\n@SinceKotlin(\n"1.4")\n@library(\n"arrayHashCode")\n\npublic actual  
fun ByteArray?.contentHashCode(): Int {\n definedExternally\n}\n\n/\*\*\n \* Returns a hash code based on the  
contents of this array as if it is [List].\n \*\n@SinceKotlin(\n"1.4")\n@library(\n"arrayHashCode")\n\npublic actual  
fun ShortArray?.contentHashCode(): Int {\n definedExternally\n}\n\n/\*\*\n \* Returns a hash code based on the  
contents of this array as if it is [List].\n \*\n@SinceKotlin(\n"1.4")\n@library(\n"arrayHashCode")\n\npublic actual  
fun IntArray?.contentHashCode(): Int {\n definedExternally\n}\n\n/\*\*\n \* Returns a hash code based on the contents  
of this array as if it is [List].\n \*\n@SinceKotlin(\n"1.4")\n@library(\n"arrayHashCode")\n\npublic actual  
fun LongArray?.contentHashCode(): Int {\n definedExternally\n}\n\n/\*\*\n \* Returns a hash code based on the  
contents of this array as if it is [List].\n \*\n@SinceKotlin(\n"1.4")\n@library(\n"arrayHashCode")\n\npublic actual  
fun FloatArray?.contentHashCode(): Int {\n definedExternally\n}\n\n/\*\*\n \* Returns a hash code based on the  
contents of this array as if it is [List].\n \*\n@SinceKotlin(\n"1.4")\n@library(\n"arrayHashCode")\n\npublic actual  
fun DoubleArray?.contentHashCode(): Int {\n definedExternally\n}\n\n/\*\*\n \* Returns a hash code based on the  
contents of this array as if it is [List].\n \*\n@SinceKotlin(\n"1.4")\n@library(\n"arrayHashCode")\n\npublic actual  
fun BooleanArray?.contentHashCode(): Int {\n definedExternally\n}\n\n/\*\*\n \* Returns a hash code based on the  
contents of this array as if it is [List].\n \*\n@SinceKotlin(\n"1.4")\n@library(\n"arrayHashCode")\n\npublic actual  
fun CharArray?.contentHashCode(): Int {\n definedExternally\n}\n\n/\*\*\n \* Returns a string representation of the  
contents of the specified array as if it is [List].\n \*\n \*\n \* @sample  
samples.collections.Arrays.ContentOperations.contentToString\n \*\n@Deprecated(\n"Use Kotlin compiler 1.4 to  
avoid deprecation warning.\n")\n@SinceKotlin(\n"1.1")\n@DeprecatedSinceKotlin(hiddenSince = \n"1.4")\n\npublic  
actual fun <T> Array<out T>.contentToString(): String {\n return this.contentToString()\n}\n\n/\*\*\n \* Returns a  
string representation of the contents of the specified array as if it is [List].\n \*\n \*\n \* @sample  
samples.collections.Arrays.ContentOperations.contentToString\n \*\n@Deprecated(\n"Use Kotlin compiler 1.4 to

```

avoid deprecation warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic
actual fun ByteArray.contentToString(): String {\n    return this.contentToString()\n}\n\n/**\n * Returns a string
representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n */\n@Deprecated("Use Kotlin compiler 1.4
to avoid deprecation warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic
actual fun ShortArray.contentToString(): String {\n    return this.contentToString()\n}\n\n/**\n * Returns a string
representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n */\n@Deprecated("Use Kotlin compiler 1.4
to avoid deprecation warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic
actual fun IntArray.contentToString(): String {\n    return this.contentToString()\n}\n\n/**\n * Returns a string
representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n */\n@Deprecated("Use Kotlin compiler 1.4
to avoid deprecation warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic
actual fun LongArray.contentToString(): String {\n    return this.contentToString()\n}\n\n/**\n * Returns a string
representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n */\n@Deprecated("Use Kotlin compiler 1.4
to avoid deprecation warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic
actual fun FloatArray.contentToString(): String {\n    return this.contentToString()\n}\n\n/**\n * Returns a string
representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n */\n@Deprecated("Use Kotlin compiler 1.4
to avoid deprecation warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic
actual fun DoubleArray.contentToString(): String {\n    return this.contentToString()\n}\n\n/**\n * Returns a string
representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n */\n@Deprecated("Use Kotlin compiler 1.4
to avoid deprecation warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic
actual fun BooleanArray.contentToString(): String {\n    return this.contentToString()\n}\n\n/**\n * Returns a string
representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n */\n@Deprecated("Use Kotlin compiler 1.4
to avoid deprecation warning.\")\n@SinceKotlin("1.1")\n@DeprecatedSinceKotlin(hiddenSince = "1.4")\npublic
actual fun CharArray.contentToString(): String {\n    return this.contentToString()\n}\n\n/**\n * Returns a string
representation of the contents of the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n\n
*/\n@SinceKotlin("1.4")\n@library("arrayToString")\npublic actual fun <T> Array<out T>?.contentToString():
String {\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as
if it is [List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n\n
*/\n@SinceKotlin("1.4")\n@library("arrayToString")\npublic actual fun ByteArray?.contentToString(): String
{\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is
[List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n\n
*/\n@SinceKotlin("1.4")\n@library("arrayToString")\npublic actual fun ShortArray?.contentToString(): String
{\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is
[List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n\n
*/\n@SinceKotlin("1.4")\n@library("arrayToString")\npublic actual fun IntArray?.contentToString(): String {\n
definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is
[List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n\n
*/\n@SinceKotlin("1.4")\n@library("arrayToString")\npublic actual fun LongArray?.contentToString(): String
{\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is
[List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n\n
*/\n@SinceKotlin("1.4")\n@library("arrayToString")\npublic actual fun FloatArray?.contentToString(): String

```

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{\n  definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is
[List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\n@library("arrayToString")\npublic actual fun DoubleArray?.contentToString(): String
{\n  definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is
[List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\n@library("arrayToString")\npublic actual fun BooleanArray?.contentToString():
String {\n  definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as
if it is [List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\n@library("arrayToString")\npublic actual fun CharArray?.contentToString(): String
{\n  definedExternally\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that
array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it
overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset
the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of
the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this
array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex]
or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws
IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified
[destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the
[destination] array.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT
_ARGUMENTS")\npublic actual inline fun <T> Array<out T>.copyInto(destination: Array<T>, destinationOffset:
Int = 0, startIndex: Int = 0, endIndex: Int = size): Array<T> {\n  arrayCopy(this, destination, destinationOffset,
startIndex, endIndex)\n  return destination\n}\n\n/**\n * Copies this array or its subrange into the [destination]
array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the
subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n *
@param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the
beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the
subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or
[IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex
> endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array
starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices
range.\n * \n * @return the [destination] array.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT
_ARGUMENTS")\npublic actual inline fun ByteArray.copyInto(destination: ByteArray, destinationOffset: Int = 0,
startIndex: Int = 0, endIndex: Int = size): ByteArray {\n  arrayCopy(this.unsafeCast<Array<Byte>>(),
destination.unsafeCast<Array<Byte>>(), destinationOffset, startIndex, endIndex)\n  return destination\n}\n\n/**\n
 * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass
the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n
 * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination]
array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by
default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n
 * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range
of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange
doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is
out of the [destination] array indices range.\n * \n * @return the [destination] array.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT
_ARGUMENTS")\npublic actual inline fun ShortArray.copyInto(destination: ShortArray, destinationOffset: Int =
0, startIndex: Int = 0, endIndex: Int = size): ShortArray {\n  arrayCopy(this.unsafeCast<Array<Short>>(),

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destination.unsafeCast<Array<Short>>(), destinationOffset, startIndex, endIndex)\n    return destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n\n*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual inline fun IntArray.copyInto(destination: IntArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): IntArray {\n    arrayCopy(this.unsafeCast<Array<Int>>(), destination.unsafeCast<Array<Int>>(), destinationOffset, startIndex, endIndex)\n    return destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n\n*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual inline fun LongArray.copyInto(destination: LongArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): LongArray {\n    arrayCopy(this.unsafeCast<Array<Long>>(), destination.unsafeCast<Array<Long>>(), destinationOffset, startIndex, endIndex)\n    return destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n\n*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual inline fun FloatArray.copyInto(destination: FloatArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): FloatArray {\n    arrayCopy(this.unsafeCast<Array<Float>>(), destination.unsafeCast<Array<Float>>(), destinationOffset, startIndex, endIndex)\n    return destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the

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[destination] array indices range.\n * \n * @return the [destination] array.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT
_ARGUMENTS")\npublic actual inline fun DoubleArray.copyInto(destination: DoubleArray, destinationOffset: Int
= 0, startIndex: Int = 0, endIndex: Int = size): DoubleArray {\n  arrayCopy(this.unsafeCast<Array<Double>>(),
destination.unsafeCast<Array<Double>>(), destinationOffset, startIndex, endIndex)\n  return
destination}\n}\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n *
It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the
destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the
[destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy,
0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n *
@throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of
range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the
subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is
out of the [destination] array indices range.\n * \n * @return the [destination] array.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT
_ARGUMENTS")\npublic actual inline fun BooleanArray.copyInto(destination: BooleanArray, destinationOffset:
Int = 0, startIndex: Int = 0, endIndex: Int = size): BooleanArray {\n
arrayCopy(this.unsafeCast<Array<Boolean>>(), destination.unsafeCast<Array<Boolean>>(), destinationOffset,
startIndex, endIndex)\n  return destination}\n}\n/**\n * Copies this array or its subrange into the [destination]
array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the
subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n *
@param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the
beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the
subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or
[IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex
> endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array
starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n *
\n * @return the [destination] array.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT
_ARGUMENTS")\npublic actual inline fun CharArray.copyInto(destination: CharArray, destinationOffset: Int = 0,
startIndex: Int = 0, endIndex: Int = size): CharArray {\n  arrayCopy(this.unsafeCast<Array<Char>>(),
destination.unsafeCast<Array<Char>>(), destinationOffset, startIndex, endIndex)\n  return destination}\n}\n/**\n *
Returns new array which is a copy of the original array.\n * \n * @sample
samples.collections.Arrays.CopyOfOperations.copyOf\n *\n@Suppress("ACTUAL_WITHOUT_EXPECT",
"NOTHING_TO_INLINE")\npublic actual inline fun <T> Array<out T>.copyOf(): Array<T> {\n  return
this.asDynamic().slice()\n}\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample
samples.collections.Arrays.CopyOfOperations.copyOf\n *\n@Suppress("NOTHING_TO_INLINE")\npublic
actual inline fun ByteArray.copyOf(): ByteArray {\n  return this.asDynamic().slice()\n}\n/**\n * Returns new
array which is a copy of the original array.\n * \n * @sample
samples.collections.Arrays.CopyOfOperations.copyOf\n *\n@Suppress("NOTHING_TO_INLINE")\npublic
actual inline fun ShortArray.copyOf(): ShortArray {\n  return this.asDynamic().slice()\n}\n/**\n * Returns new
array which is a copy of the original array.\n * \n * @sample
samples.collections.Arrays.CopyOfOperations.copyOf\n *\n@Suppress("NOTHING_TO_INLINE")\npublic
actual inline fun IntArray.copyOf(): IntArray {\n  return this.asDynamic().slice()\n}\n/**\n * Returns new array
which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOf\n
*\n@public actual fun LongArray.copyOf(): LongArray {\n  return withType("LongArray",
this.asDynamic().slice())\n}\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample
samples.collections.Arrays.CopyOfOperations.copyOf\n *\n@Suppress("NOTHING_TO_INLINE")\npublic

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actual inline fun FloatArray.copyOf(): FloatArray {
    return this.asDynamic().slice()
}
/**
 * Returns new array which is a copy of the original array.
 */
@sample
samples.collections.Arrays.CopyOfOperations.copyOf

public actual inline fun DoubleArray.copyOf(): DoubleArray {
    return this.asDynamic().slice()
}
/**
 * Returns new array which is a copy of the original array.
 */
@sample
samples.collections.Arrays.CopyOfOperations.copyOf

public actual fun BooleanArray.copyOf(): BooleanArray {
    return withType("BooleanArray", this.asDynamic().slice())
}
/**
 * Returns new array which is a copy of the original array.
 */
@sample
samples.collections.Arrays.CopyOfOperations.copyOf

public actual fun CharArray.copyOf(): CharArray {
    return withType("CharArray", this.asDynamic().slice())
}
/**
 * Returns new array which is a copy of the original array, resized to the given [newSize].
 * The copy is either truncated or padded at the end with zero values if necessary.
 * - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].
 * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with zero values.
 */
@sample
samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf

public actual fun ByteArray.copyOf(newSize: Int): ByteArray {
    require(newSize >= 0) { "Invalid new array size: $newSize." }
    return fillFrom(this, ByteArray(newSize))
}
/**
 * Returns new array which is a copy of the original array, resized to the given [newSize].
 * The copy is either truncated or padded at the end with zero values if necessary.
 * - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].
 * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with zero values.
 */
@sample
samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf

public actual fun ShortArray.copyOf(newSize: Int): ShortArray {
    require(newSize >= 0) { "Invalid new array size: $newSize." }
    return fillFrom(this, ShortArray(newSize))
}
/**
 * Returns new array which is a copy of the original array, resized to the given [newSize].
 * The copy is either truncated or padded at the end with zero values if necessary.
 * - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].
 * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with zero values.
 */
@sample
samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf

public actual fun IntArray.copyOf(newSize: Int): IntArray {
    require(newSize >= 0) { "Invalid new array size: $newSize." }
    return fillFrom(this, IntArray(newSize))
}
/**
 * Returns new array which is a copy of the original array, resized to the given [newSize].
 * The copy is either truncated or padded at the end with zero values if necessary.
 * - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].
 * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with zero values.
 */
@sample
samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf

public actual fun LongArray.copyOf(newSize: Int): LongArray {
    require(newSize >= 0) { "Invalid new array size: $newSize." }
    return withType("LongArray", arrayCopyResize(this, newSize, 0L))
}
/**
 * Returns new array which is a copy of the original array, resized to the given [newSize].
 * The copy is either truncated or padded at the end with zero values if necessary.
 * - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].
 * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with zero values.
 */
@sample
samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf

public actual fun FloatArray.copyOf(newSize: Int): FloatArray {
    require(newSize >= 0) { "Invalid new array size: $newSize." }
    return fillFrom(this, FloatArray(newSize))
}
/**
 * Returns new array which is a copy of the original array, resized to the given [newSize].
 * The copy is either truncated or padded at the end with zero values if necessary.
 * - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].
 * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with zero values.
 */
@sample
samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf

public actual fun DoubleArray.copyOf(newSize: Int): DoubleArray {
    require(newSize >= 0) { "Invalid new array size: $newSize." }
    return fillFrom(this, DoubleArray(newSize))
}
/**
 * Returns new array which is

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a copy of the original array, resized to the given [newSize].  
 \* The copy is either truncated or padded at the end with `false` values if necessary.  
 \* - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].  
 \* - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with `false` values.  
 \* @sample  
 samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf  
 \*  
 public actual fun  
 BooleanArray.copyOf(newSize: Int): BooleanArray {  
 require(newSize >= 0) { "Invalid new array size: \$newSize." }  
 return withType("BooleanArray", arrayCopyResize(this, newSize, false))  
 }  
 \* Returns new array which is a copy of the original array, resized to the given [newSize].  
 \* The copy is either truncated or padded at the end with null char (`\u0000`) values if necessary.  
 \* - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].  
 \* - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with null char (`\u0000`) values.  
 \* @sample  
 samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf  
 \*  
 public actual fun  
 CharArray.copyOf(newSize: Int): CharArray {  
 require(newSize >= 0) { "Invalid new array size: \$newSize." }  
 return withType("CharArray", fillFrom(this, CharArray(newSize)))  
 }  
 \* Returns new array which is a copy of the original array, resized to the given [newSize].  
 \* The copy is either truncated or padded at the end with `null` values if necessary.  
 \* - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].  
 \* - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with `null` values.  
 \* @sample  
 samples.collections.Arrays.CopyOfOperations.resizingCopyOf  
 \*  
 @Suppress("ACTUAL\_WITHOUT\_EXPECT")  
 public actual fun <T> Array<out T>.copyOf(newSize: Int): Array<T?> {  
 require(newSize >= 0) { "Invalid new array size: \$newSize." }  
 return arrayCopyResize(this, newSize, null)  
 }  
 \* Returns a new array which is a copy of the specified range of the original array.  
 \* @param fromIndex the start of the range (inclusive) to copy.  
 \* @param toIndex the end of the range (exclusive) to copy.  
 \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.  
 \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].  
 \*  
 @Suppress("ACTUAL\_WITHOUT\_EXPECT")  
 public actual fun <T> Array<out T>.copyOfRange(fromIndex: Int, toIndex: Int): Array<T> {  
 AbstractList.checkRangeIndexes(fromIndex, toIndex, size)  
 return this.asDynamic().slice(fromIndex, toIndex)  
 }  
 \* Returns a new array which is a copy of the specified range of the original array.  
 \* @param fromIndex the start of the range (inclusive) to copy.  
 \* @param toIndex the end of the range (exclusive) to copy.  
 \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.  
 \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].  
 \*  
 public actual fun  
 ByteArray.copyOfRange(fromIndex: Int, toIndex: Int): ByteArray {  
 AbstractList.checkRangeIndexes(fromIndex, toIndex, size)  
 return this.asDynamic().slice(fromIndex, toIndex)  
 }  
 \* Returns a new array which is a copy of the specified range of the original array.  
 \* @param fromIndex the start of the range (inclusive) to copy.  
 \* @param toIndex the end of the range (exclusive) to copy.  
 \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.  
 \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].  
 \*  
 public actual fun  
 ShortArray.copyOfRange(fromIndex: Int, toIndex: Int): ShortArray {  
 AbstractList.checkRangeIndexes(fromIndex, toIndex, size)  
 return this.asDynamic().slice(fromIndex, toIndex)  
 }  
 \* Returns a new array which is a copy of the specified range of the original array.  
 \* @param fromIndex the start of the range (inclusive) to copy.  
 \* @param toIndex the end of the range (exclusive) to copy.  
 \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.  
 \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].  
 \*  
 public actual fun  
 IntArray.copyOfRange(fromIndex: Int, toIndex: Int): IntArray {  
 AbstractList.checkRangeIndexes(fromIndex, toIndex, size)  
 return this.asDynamic().slice(fromIndex, toIndex)  
 }  
 \* Returns a new array which is a copy of the specified range of the original array.  
 \* @param fromIndex the start of the range (inclusive) to copy.  
 \* @param toIndex the end of the range (exclusive) to

```

copy.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the
size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n *\npublic
actual fun LongArray.copyOfRange(fromIndex: Int, toIndex: Int): LongArray {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n    return withType("LongArray",
this.asDynamic().slice(fromIndex, toIndex))\n}\n\n/**\n * Returns a new array which is a copy of the specified
range of the original array.\n * \n * @param fromIndex the start of the range (inclusive) to copy.\n * @param
toIndex the end of the range (exclusive) to copy.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is
less than zero or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if
[fromIndex] is greater than [toIndex].\n *\npublic actual fun FloatArray.copyOfRange(fromIndex: Int, toIndex: Int):
FloatArray {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n    return
this.asDynamic().slice(fromIndex, toIndex)\n}\n\n/**\n * Returns a new array which is a copy of the specified range
of the original array.\n * \n * @param fromIndex the start of the range (inclusive) to copy.\n * @param toIndex the
end of the range (exclusive) to copy.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero
or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater
than [toIndex].\n *\npublic actual fun DoubleArray.copyOfRange(fromIndex: Int, toIndex: Int): DoubleArray {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n    return this.asDynamic().slice(fromIndex,
toIndex)\n}\n\n/**\n * Returns a new array which is a copy of the specified range of the original array.\n * \n *
@param fromIndex the start of the range (inclusive) to copy.\n * @param toIndex the end of the range (exclusive) to
copy.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the
size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n *\npublic
actual fun BooleanArray.copyOfRange(fromIndex: Int, toIndex: Int): BooleanArray {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n    return withType("BooleanArray",
this.asDynamic().slice(fromIndex, toIndex))\n}\n\n/**\n * Returns a new array which is a copy of the specified
range of the original array.\n * \n * @param fromIndex the start of the range (inclusive) to copy.\n * @param
toIndex the end of the range (exclusive) to copy.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is
less than zero or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if
[fromIndex] is greater than [toIndex].\n *\npublic actual fun CharArray.copyOfRange(fromIndex: Int, toIndex: Int):
CharArray {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n    return withType("CharArray",
this.asDynamic().slice(fromIndex, toIndex))\n}\n\n/**\n * Fills this array or its subrange with the specified
[element] value.\n * \n * @param fromIndex the start of the range (inclusive) to fill, 0 by default.\n * @param
toIndex the end of the range (exclusive) to fill, size of this array by default.\n * \n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
@throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\npublic actual fun <T> Array<T>.fill(element: T, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n    this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive) to fill, 0 by default.\n * @param toIndex the end of the range (exclusive)
to fill, size of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero
or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater
than [toIndex].\n
*\npublic actual fun ByteArray.fill(element: Byte, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n    this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive) to fill, 0 by default.\n * @param toIndex the end of the range (exclusive)
to fill, size of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero
or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater

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than [toIndex].\n
*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun ShortArray.fill(element: Short, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive) to fill, 0 by default.\n * @param toIndex the end of the range (exclusive)
to fill, size of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero
or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater
than [toIndex].\n
*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun IntArray.fill(element: Int, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive) to fill, 0 by default.\n * @param toIndex the end of the range (exclusive)
to fill, size of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero
or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater
than [toIndex].\n
*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun LongArray.fill(element: Long, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive) to fill, 0 by default.\n * @param toIndex the end of the range (exclusive)
to fill, size of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero
or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater
than [toIndex].\n
*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun FloatArray.fill(element: Float, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive) to fill, 0 by default.\n * @param toIndex the end of the range (exclusive)
to fill, size of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero
or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater
than [toIndex].\n
*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun DoubleArray.fill(element: Double, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive) to fill, 0 by default.\n * @param toIndex the end of the range (exclusive)
to fill, size of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero
or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater
than [toIndex].\n
*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun BooleanArray.fill(element: Boolean, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive) to fill, 0 by default.\n * @param toIndex the end of the range (exclusive)
to fill, size of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero
or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater

```

```

than [toIndex].\n
*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun CharArray.fill(element: Char, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Returns an array containing all elements of the original array and then the given [element].\n
*\n@Suppress("ACTUAL_WITHOUT_EXPECT", "NOTHING_TO_INLINE")\npublic actual inline operator
fun <T> Array<out T>.plus(element: T): Array<T> {\n return
this.asDynamic().concat(arrayOf(element))\n}\n\n/**\n * Returns an array containing all elements of the original
array and then the given [element].\n *\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator
fun ByteArray.plus(element: Byte): ByteArray {\n return plus(byteArrayOf(element))\n}\n\n/**\n * Returns an
array containing all elements of the original array and then the given [element].\n
*\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun ShortArray.plus(element: Short):
ShortArray {\n return plus(shortArrayOf(element))\n}\n\n/**\n * Returns an array containing all elements of the
original array and then the given [element].\n *\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline
operator fun IntArray.plus(element: Int): IntArray {\n return plus(intArrayOf(element))\n}\n\n/**\n * Returns an
array containing all elements of the original array and then the given [element].\n
*\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun LongArray.plus(element: Long):
LongArray {\n return plus(longArrayOf(element))\n}\n\n/**\n * Returns an array containing all elements of the
original array and then the given [element].\n *\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline
operator fun FloatArray.plus(element: Float): FloatArray {\n return plus(floatArrayOf(element))\n}\n\n/**\n *
Returns an array containing all elements of the original array and then the given [element].\n
*\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun DoubleArray.plus(element:
Double): DoubleArray {\n return plus(doubleArrayOf(element))\n}\n\n/**\n * Returns an array containing all
elements of the original array and then the given [element].\n *\n@Suppress("NOTHING_TO_INLINE")\npublic
actual inline operator fun BooleanArray.plus(element: Boolean): BooleanArray {\n return
plus(booleanArrayOf(element))\n}\n\n/**\n * Returns an array containing all elements of the original array and then
the given [element].\n *\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun
CharArray.plus(element: Char): CharArray {\n return plus(charArrayOf(element))\n}\n\n/**\n * Returns an array
containing all elements of the original array and then all elements of the given [elements] collection.\n
*\n@Suppress("ACTUAL_WITHOUT_EXPECT")\npublic actual operator fun <T> Array<out T>.plus(elements:
Collection<T>): Array<T> {\n return arrayPlusCollection(this, elements)\n}\n\n/**\n * Returns an array
containing all elements of the original array and then all elements of the given [elements] collection.\n *\npublic
actual operator fun ByteArray.plus(elements: Collection<Byte>): ByteArray {\n return
fillFromCollection(this.copyOf(size + elements.size), this.size, elements)\n}\n\n/**\n * Returns an array containing
all elements of the original array and then all elements of the given [elements] collection.\n *\npublic actual
operator fun ShortArray.plus(elements: Collection<Short>): ShortArray {\n return
fillFromCollection(this.copyOf(size + elements.size), this.size, elements)\n}\n\n/**\n * Returns an array containing
all elements of the original array and then all elements of the given [elements] collection.\n *\npublic actual
operator fun IntArray.plus(elements: Collection<Int>): IntArray {\n return fillFromCollection(this.copyOf(size +
elements.size), this.size, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and
then all elements of the given [elements] collection.\n *\npublic actual operator fun LongArray.plus(elements:
Collection<Long>): LongArray {\n return arrayPlusCollection(this, elements)\n}\n\n/**\n * Returns an array
containing all elements of the original array and then all elements of the given [elements] collection.\n *\npublic
actual operator fun FloatArray.plus(elements: Collection<Float>): FloatArray {\n return
fillFromCollection(this.copyOf(size + elements.size), this.size, elements)\n}\n\n/**\n * Returns an array containing
all elements of the original array and then all elements of the given [elements] collection.\n *\npublic actual
operator fun DoubleArray.plus(elements: Collection<Double>): DoubleArray {\n return
fillFromCollection(this.copyOf(size + elements.size), this.size, elements)\n}\n\n/**\n * Returns an array containing

```

all elements of the original array and then all elements of the given [elements] collection.

```

public actual operator fun BooleanArray.plus(elements: Collection<Boolean>): BooleanArray {
    return arrayPlusCollection(this, elements)
}

```

\* Returns an array containing all elements of the original array and then all elements of the given [elements] collection.

```

public actual operator fun CharArray.plus(elements: Collection<Char>): CharArray {
    return fillFromCollection(this.copyOf(size + elements.size), this.size, elements)
}

```

\* Returns an array containing all elements of the original array and then all elements of the given [elements] array.

```

@Suppress("ACTUAL_WITHOUT_EXPECT", "NOTHING_TO_INLINE")
public actual inline operator fun <T> Array<out T>.plus(elements: Array<out T>): Array<T> {
    return this.asDynamic().concat(elements)
}

```

\* Returns an array containing all elements of the original array and then all elements of the given [elements] array.

```

@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun ByteArray.plus(elements: ByteArray): ByteArray {
    return primitiveArrayConcat(this, elements)
}

```

\* Returns an array containing all elements of the original array and then all elements of the given [elements] array.

```

@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun ShortArray.plus(elements: ShortArray): ShortArray {
    return primitiveArrayConcat(this, elements)
}

```

\* Returns an array containing all elements of the original array and then all elements of the given [elements] array.

```

@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun IntArray.plus(elements: IntArray): IntArray {
    return primitiveArrayConcat(this, elements)
}

```

\* Returns an array containing all elements of the original array and then all elements of the given [elements] array.

```

@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun LongArray.plus(elements: LongArray): LongArray {
    return primitiveArrayConcat(this, elements)
}

```

\* Returns an array containing all elements of the original array and then all elements of the given [elements] array.

```

@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun FloatArray.plus(elements: FloatArray): FloatArray {
    return primitiveArrayConcat(this, elements)
}

```

\* Returns an array containing all elements of the original array and then all elements of the given [elements] array.

```

@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun DoubleArray.plus(elements: DoubleArray): DoubleArray {
    return primitiveArrayConcat(this, elements)
}

```

\* Returns an array containing all elements of the original array and then all elements of the given [elements] array.

```

@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun BooleanArray.plus(elements: BooleanArray): BooleanArray {
    return primitiveArrayConcat(this, elements)
}

```

\* Returns an array containing all elements of the original array and then all elements of the given [elements] array.

```

@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun CharArray.plus(elements: CharArray): CharArray {
    return primitiveArrayConcat(this, elements)
}

```

\* Returns an array containing all elements of the original array and then the given [element].

```

@Suppress("ACTUAL_WITHOUT_EXPECT", "NOTHING_TO_INLINE")
public actual inline fun <T> Array<out T>.plusElement(element: T): Array<T> {
    return this.asDynamic().concat(arrayOf(element))
}

```

\* Sorts the array in-place.

```

@sample
samples.collections.Arrays.Sorting.sortArray

```

```

@library("primitiveArraySort")
public actual fun IntArray.sort(): Unit {
    definedExternally
}

```

\* Sorts the array in-place.

```

@sample
samples.collections.Arrays.Sorting.sortArray

```

```

public actual fun LongArray.sort(): Unit {
    @Suppress("DEPRECATION")
    if (size > 1) sort { a: Long, b: Long -> a.compareTo(b) }
}

```

\* Sorts the array in-place.

```

@sample
samples.collections.Arrays.Sorting.sortArray

```

```

@library("primitiveArraySort")
public actual fun ByteArray.sort(): Unit {
    definedExternally
}

```

\* Sorts the array in-place.

```

@sample
samples.collections.Arrays.Sorting.sortArray

```

```

@library("primitiveArraySort")
public actual fun ShortArray.sort(): Unit {
    definedExternally
}

```

\* Sorts the array in-place.

```

@sample
samples.collections.Arrays.Sorting.sortArray

```

```

@library("primitiveArraySort")
public actual fun DoubleArray.sort(): Unit {
    definedExternally
}

```

\* Sorts the array in-place.

```

@sample

```

```

samples.collections.Arrays.Sorting.sortArray\n *\/n@library(\\"primitiveArraySort\\")npublic actual fun
FloatArray.sort(): Unit {\n  definedExternally\n}\n\n/**\n * Sorts the array in-place.\n * \n * @sample
samples.collections.Arrays.Sorting.sortArray\n *\/n@library(\\"primitiveArraySort\\")npublic actual fun
CharArray.sort(): Unit {\n  definedExternally\n}\n\n/**\n * Sorts the array in-place according to the natural order
of its elements.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other
after sorting.\n * \n * @sample samples.collections.Arrays.Sorting.sortArrayOfComparable\n *\/npublic actual fun
<T : Comparable<T>> Array<out T>.sort(): Unit {\n  if (size > 1) sortArray(this)\n}\n\n/**\n * Sorts the array in-
place according to the order specified by the given [comparison] function.\n * \n * The sort is _stable_. It means that
equal elements preserve their order relative to each other after sorting.\n *\/n@Deprecated(\\"Use sortWith instead\\",
ReplaceWith(\\"this.sortWith(Comparator(comparison))\\"))n@DeprecatedSinceKotlin(warningSince =
\\"1.6\\")npublic fun <T> Array<out T>.sort(comparison: (a: T, b: T) -> Int): Unit {\n  if (size > 1)
sortArrayWith(this, comparison)\n}\n\n/**\n * Sorts a range in the array in-place.\n * \n * The sort is _stable_. It
means that equal elements preserve their order relative to each other after sorting.\n * \n * @param fromIndex the
start of the range (inclusive) to sort, 0 by default.\n * @param toIndex the end of the range (exclusive) to sort, size
of this array by default.\n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex]
is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than
[toIndex].\n * @sample samples.collections.Arrays.Sorting.sortRangeOfArrayOfComparable\n
*\/n@SinceKotlin(\\"1.4\\")n@Suppress(\\"ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS\\")npublic
actual fun <T : Comparable<T>> Array<out T>.sort(fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  sortArrayWith(this, fromIndex, toIndex,
naturalOrder())\n}\n\n/**\n * Sorts a range in the array in-place.\n * \n * @param fromIndex the start of the range
(inclusive) to sort, 0 by default.\n * @param toIndex the end of the range (exclusive) to sort, size of this array by
default.\n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than
the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n *
@sample samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\/n@SinceKotlin(\\"1.4\\")n@Suppress(\\"ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS\\")npublic
actual fun ByteArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  val subarray =
this.asDynamic().subarray(fromIndex, toIndex).unsafeCast<ByteArray>()\n  subarray.sort()\n}\n\n/**\n * Sorts a
range in the array in-place.\n * \n * @param fromIndex the start of the range (inclusive) to sort, 0 by default.\n *
@param toIndex the end of the range (exclusive) to sort, size of this array by default.\n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
@throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n * @sample
samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\/n@SinceKotlin(\\"1.4\\")n@Suppress(\\"ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS\\")npublic
actual fun ShortArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  val subarray =
this.asDynamic().subarray(fromIndex, toIndex).unsafeCast<ShortArray>()\n  subarray.sort()\n}\n\n/**\n * Sorts a
range in the array in-place.\n * \n * @param fromIndex the start of the range (inclusive) to sort, 0 by default.\n *
@param toIndex the end of the range (exclusive) to sort, size of this array by default.\n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
@throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n * @sample
samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\/n@SinceKotlin(\\"1.4\\")n@Suppress(\\"ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS\\")npublic
actual fun IntArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  val subarray =
this.asDynamic().subarray(fromIndex, toIndex).unsafeCast<IntArray>()\n  subarray.sort()\n}\n\n/**\n * Sorts a
range in the array in-place.\n * \n * @param fromIndex the start of the range (inclusive) to sort, 0 by default.\n *

```

```

@param toIndex the end of the range (exclusive) to sort, size of this array by default.\n * \n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
@throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n * @sample
samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\n@SinceKotlin("1.4")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun LongArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  sortArrayWith(this.unsafeCast<Array<Long>>(),
fromIndex, toIndex, naturalOrder())\n}\n\n/**\n * Sorts a range in the array in-place.\n * \n * @param fromIndex
the start of the range (inclusive) to sort, 0 by default.\n * @param toIndex the end of the range (exclusive) to sort,
size of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or
[toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than
[toIndex].\n * \n * @sample samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\n@SinceKotlin("1.4")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun FloatArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  val subarray =
this.asDynamic().subarray(fromIndex, toIndex).unsafeCast<FloatArray>()\n  subarray.sort()\n}\n\n/**\n * Sorts a
range in the array in-place.\n * \n * @param fromIndex the start of the range (inclusive) to sort, 0 by default.\n *
@param toIndex the end of the range (exclusive) to sort, size of this array by default.\n * \n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
@throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n * @sample
samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\n@SinceKotlin("1.4")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun DoubleArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  val subarray =
this.asDynamic().subarray(fromIndex, toIndex).unsafeCast<DoubleArray>()\n  subarray.sort()\n}\n\n/**\n * Sorts
a range in the array in-place.\n * \n * @param fromIndex the start of the range (inclusive) to sort, 0 by default.\n *
@param toIndex the end of the range (exclusive) to sort, size of this array by default.\n * \n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
@throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n * @sample
samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\n@SinceKotlin("1.4")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun CharArray.sort(fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  val subarray =
this.asDynamic().subarray(fromIndex, toIndex).unsafeCast<CharArray>()\n  subarray.sort()\n}\n\n/**\n * Sorts the
array in-place according to the order specified by the given [comparison] function.\n * \n * @Deprecated("Use other
sorting functions from the Standard Library")\n * @DeprecatedSinceKotlin(warningSince =
"1.6")\n * @kotlin.internal.InlineOnly\n * public inline fun ByteArray.sort(noinline comparison: (a: Byte, b: Byte) ->
Int): Unit {\n  asDynamic().sort(comparison)\n}\n\n/**\n * Sorts the array in-place according to the order specified
by the given [comparison] function.\n * \n * @Deprecated("Use other sorting functions from the Standard
Library")\n * @DeprecatedSinceKotlin(warningSince = "1.6")\n * @kotlin.internal.InlineOnly\n * public inline fun
ShortArray.sort(noinline comparison: (a: Short, b: Short) -> Int): Unit {\n
asDynamic().sort(comparison)\n}\n\n/**\n * Sorts the array in-place according to the order specified by the given
[comparison] function.\n * \n * @Deprecated("Use other sorting functions from the Standard
Library")\n * @DeprecatedSinceKotlin(warningSince = "1.6")\n * @kotlin.internal.InlineOnly\n * public inline fun
IntArray.sort(noinline comparison: (a: Int, b: Int) -> Int): Unit {\n  asDynamic().sort(comparison)\n}\n\n/**\n *
Sorts the array in-place according to the order specified by the given [comparison] function.\n
*\n * @Deprecated("Use other sorting functions from the Standard
Library")\n * @DeprecatedSinceKotlin(warningSince = "1.6")\n * @kotlin.internal.InlineOnly\n * public inline fun

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LongArray.sort(noinline comparison: (a: Long, b: Long) -> Int): Unit {
asDynamic().sort(comparison)}\n\n/**\n * Sorts the array in-place according to the order specified by the given
[comparison] function.\n */\n@Deprecated("Use other sorting functions from the Standard
Library")\n@DeprecatedSinceKotlin(warningSince = "1.6")\n@kotlin.internal.InlineOnly\npublic inline fun
FloatArray.sort(noinline comparison: (a: Float, b: Float) -> Int): Unit {
asDynamic().sort(comparison)}\n\n/**\n * Sorts the array in-place according to the order specified by the given
[comparison] function.\n */\n@Deprecated("Use other sorting functions from the Standard
Library")\n@DeprecatedSinceKotlin(warningSince = "1.6")\n@kotlin.internal.InlineOnly\npublic inline fun
DoubleArray.sort(noinline comparison: (a: Double, b: Double) -> Int): Unit {
asDynamic().sort(comparison)}\n\n/**\n * Sorts the array in-place according to the order specified by the given
[comparison] function.\n */\n@Deprecated("Use other sorting functions from the Standard
Library")\n@DeprecatedSinceKotlin(warningSince = "1.6")\n@kotlin.internal.InlineOnly\npublic inline fun
CharArray.sort(noinline comparison: (a: Char, b: Char) -> Int): Unit {
asDynamic().sort(comparison)}\n\n/**\n * Sorts the array in-place according to the order specified by the given
[comparator].\n */\n * The sort is _stable_. It means that equal elements preserve their order relative to each other
after sorting.\n */\npublic actual fun <T> Array<out T>.sortWith(comparator: Comparator<in T>): Unit {
if
(size > 1) sortArrayWith(this, comparator)}\n\n/**\n * Sorts a range in the array in-place with the given
[comparator].\n */\n * The sort is _stable_. It means that equal elements preserve their order relative to each other
after sorting.\n */\n * @param fromIndex the start of the range (inclusive) to sort, 0 by default.\n * @param toIndex
the end of the range (exclusive) to sort, size of this array by default.\n * @throws IndexOutOfBoundsException
if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentOutOfRangeException if [fromIndex] is greater than [toIndex].\n
*/\n@SinceKotlin("1.4")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun <T> Array<out T>.sortWith(comparator: Comparator<in T>, fromIndex: Int = 0, toIndex: Int = size):
Unit {
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n sortArrayWith(this, fromIndex, toIndex,
comparator)}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive array.\n
*/\npublic actual fun ByteArray.toTypedArray(): Array<Byte> {
return js("[]").slice.call(this)}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive array.\n
*/\npublic actual fun ShortArray.toTypedArray(): Array<Short> {
return js("[]").slice.call(this)}\n\n/**\n * Returns a *typed*
object array containing all of the elements of this primitive array.\n */\npublic actual fun IntArray.toTypedArray():
Array<Int> {
return js("[]").slice.call(this)}\n\n/**\n * Returns a *typed* object array containing all of the
elements of this primitive array.\n */\npublic actual fun LongArray.toTypedArray(): Array<Long> {
return
js("[]").slice.call(this)}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive
array.\n */\npublic actual fun FloatArray.toTypedArray(): Array<Float> {
return
js("[]").slice.call(this)}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive
array.\n */\npublic actual fun DoubleArray.toTypedArray(): Array<Double> {
return
js("[]").slice.call(this)}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive
array.\n */\npublic actual fun BooleanArray.toTypedArray(): Array<Boolean> {
return
js("[]").slice.call(this)}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive
array.\n */\npublic actual fun CharArray.toTypedArray(): Array<Char> {
return Array(size) { index ->
this[index] }}\n\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n
*/\n@file:kotlin.jvm.JvmName("ComparisonsKt")\n@file:kotlin.jvm.JvmMultifileClass\npackage
kotlin.comparisons\n\n/**\n * Compares two values using the specified functions [selectors] to calculate the result
of the comparison.\n * The functions are called sequentially, receive the given values [a] and [b] and return
[Comparable]\n * objects. As soon as the [Comparable] instances returned by a function for [a] and [b] values do
not\n * compare as equal, the result of that comparison is returned.\n */\n * @sample

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samples.comparisons.Comparisons.compareValuesByWithSelectors\n *\npublic fun <T> compareValuesBy(a: T,
b: T, vararg selectors: (T) -> Comparable<*>?): Int {\n    require(selectors.size > 0)\n    return
compareValuesByImpl(a, b, selectors)\n}\n\nprivate fun <T> compareValuesByImpl(a: T, b: T, selectors:
Array<out (T) -> Comparable<*>?>): Int {\n    for (fn in selectors) {\n        val v1 = fn(a)\n        val v2 = fn(b)\n
val diff = compareValues(v1, v2)\n        if (diff != 0) return diff\n    }\n    return 0\n}\n\n/**\n * Compares two
values using the specified [selector] function to calculate the result of the comparison.\n * The function is applied to
the given values [a] and [b] and return [Comparable] objects.\n * The result of comparison of these [Comparable]
instances is returned.\n *\n * @sample samples.comparisons.Comparisons.compareValuesByWithSingleSelector\n
*\n@kotlin.internal.InlineOnly\npublic inline fun <T> compareValuesBy(a: T, b: T, selector: (T) ->
Comparable<*>?): Int {\n    return compareValues(selector(a), selector(b))\n}\n\n/**\n * Compares two values
using the specified [selector] function to calculate the result of the comparison.\n * The function is applied to the
given values [a] and [b] and return objects of type K which are then being\n * compared with the given
[comparator].\n *\n * @sample samples.comparisons.Comparisons.compareValuesByWithComparator\n
*\n@kotlin.internal.InlineOnly\npublic inline fun <T, K> compareValuesBy(a: T, b: T, comparator: Comparator<in
K>, selector: (T) -> K): Int {\n    return comparator.compare(selector(a), selector(b))\n}\n\n//// Not so useful without
type inference for receiver of expression\n//// compareValuesWith(v1, v2, compareBy { it.prop1 }
thenByDescending { it.prop2 })\n////**\n// * Compares two values using the specified [comparator].\n\n//
*\n@Suppress("NOTHING_TO_INLINE")\n//public inline fun <T> compareValuesWith(a: T, b: T, comparator:
Comparator<T>): Int = comparator.compare(a, b)\n\n/**\n * Compares two nullable [Comparable] values. Null
is considered less than any value.\n *\n * @sample samples.comparisons.Comparisons.compareValues\n *\npublic
fun <T : Comparable<*>> compareValues(a: T?, b: T?): Int {\n    if (a === b) return 0\n    if (a == null) return -1\n
if (b == null) return 1\n    @Suppress("UNCHECKED_CAST")\n    return (a as
Comparable<Any>).compareTo(b)\n}\n\n/**\n * Creates a comparator using the sequence of functions to calculate a
result of comparison.\n * The functions are called sequentially, receive the given values `a` and `b` and return
[Comparable]\n * objects. As soon as the [Comparable] instances returned by a function for `a` and `b` values do
not\n * compare as equal, the result of that comparison is returned from the [Comparator].\n *\n * @sample
samples.comparisons.Comparisons.compareByWithSelectors\n *\npublic fun <T> compareBy(vararg selectors: (T)
-> Comparable<*>?): Comparator<T> {\n    require(selectors.size > 0)\n    return Comparator { a, b ->
compareValuesByImpl(a, b, selectors) }\n}\n\n/**\n * Creates a comparator using the function to transform value
to a [Comparable] instance for comparison.\n *\n * @sample
samples.comparisons.Comparisons.compareByWithSingleSelector\n *\n@kotlin.internal.InlineOnly\npublic inline
fun <T> compareBy(crossinline selector: (T) -> Comparable<*>?): Comparator<T> =\n    Comparator { a, b ->
compareValuesBy(a, b, selector) }\n\n/**\n * Creates a comparator using the [selector] function to transform values
being compared and then applying\n * the specified [comparator] to compare transformed values.\n *\n * @sample
samples.comparisons.Comparisons.compareByWithComparator\n *\n@kotlin.internal.InlineOnly\npublic inline
fun <T, K> compareBy(comparator: Comparator<in K>, crossinline selector: (T) -> K): Comparator<T> =\n    Comparator { a, b -> compareValuesBy(a, b, comparator, selector) }\n\n/**\n * Creates a descending comparator
using the function to transform value to a [Comparable] instance for comparison.\n *\n * @sample
samples.comparisons.Comparisons.compareByDescendingWithSingleSelector\n
*\n@kotlin.internal.InlineOnly\npublic inline fun <T> compareByDescending(crossinline selector: (T) ->
Comparable<*>?): Comparator<T> =\n    Comparator { a, b -> compareValuesBy(b, a, selector) }\n\n/**\n *
Creates a descending comparator using the [selector] function to transform values being compared and then
applying\n * the specified [comparator] to compare transformed values.\n *\n * Note that an order of [comparator] is
reversed by this wrapper.\n *\n * @sample
samples.comparisons.Comparisons.compareByDescendingWithComparator\n
*\n@kotlin.internal.InlineOnly\npublic inline fun <T, K> compareByDescending(comparator: Comparator<in K>,
crossinline selector: (T) -> K): Comparator<T> =\n    Comparator { a, b -> compareValuesBy(b, a, comparator,
selector) }\n\n/**\n * Creates a comparator comparing values after the primary comparator defined them equal. It

```



```

=== b -> 0\n      a == null -> 1\n      b == null -> -1\n      else -> comparator.compare(a, b)\n    }\n}\n\n/**\n * Provides a comparator of nullable [Comparable] values\n * considering `null` value greater than any\n * other value.\n */\n * @sample samples.comparisons.Comparisons.nullsFirstLastComparator\n\n@kotlin.internal.InlineOnly\npublic inline fun <T : Comparable<T>> nullsLast(): Comparator<T?> =\n    nullsLast(naturalOrder())\n\n/**\n * Returns a comparator that compares [Comparable] objects in natural order.\n */\n * @sample samples.comparisons.Comparisons.naturalOrderComparator\n\n@kotlin.internal.InlineOnly\npublic inline fun <T : Comparable<T>>\n    naturalOrder(): Comparator<T> = @Suppress("UNCHECKED_CAST") (NaturalOrderComparator as\n    Comparator<T>)\n\n/**\n * Returns a comparator that compares [Comparable] objects in reversed natural order.\n */\n * @sample samples.comparisons.Comparisons.nullsFirstLastWithComparator\n\n@kotlin.internal.InlineOnly\npublic inline fun <T : Comparable<T>>\n    reverseOrder(): Comparator<T> = @Suppress("UNCHECKED_CAST")\n    (ReverseOrderComparator as Comparator<T>)\n\n/**\n * Returns a comparator that imposes the reverse ordering\n * of this comparator.\n */\n * @sample samples.comparisons.Comparisons.reversed\n\n@kotlin.internal.InlineOnly\npublic inline fun <T> Comparator<T>.reversed():\n    Comparator<T> = when (this) {\n        is ReversedComparator -> this.comparator\n        NaturalOrderComparator ->\n            @Suppress("UNCHECKED_CAST") (ReverseOrderComparator as Comparator<T>)\n        ReverseOrderComparator -> @Suppress("UNCHECKED_CAST") (NaturalOrderComparator as\n            Comparator<T>)\n    } else -> ReversedComparator(this)\n}\n\nprivate class ReversedComparator<T>(public val\n    comparator: Comparator<T>) : Comparator<T> {\n    override fun compare(a: T, b: T): Int = comparator.compare(b,\n    a)\n    @Suppress("VIRTUAL_MEMBER_HIDDEN")\n    fun reversed(): Comparator<T> =\n        comparator\n}\n\nprivate object NaturalOrderComparator : Comparator<Comparable<Any>> {\n    override fun\n    compare(a: Comparable<Any>, b: Comparable<Any>): Int = a.compareTo(b)\n}\n\n@Suppress("VIRTUAL_MEMBER_HIDDEN")\nfun reversed(): Comparator<Comparable<Any>> =\n    ReverseOrderComparator\n}\n\nprivate object ReverseOrderComparator : Comparator<Comparable<Any>> {\n    override fun\n    compare(a: Comparable<Any>, b: Comparable<Any>): Int = b.compareTo(a)\n}\n\n@Suppress("VIRTUAL_MEMBER_HIDDEN")\nfun reversed(): Comparator<Comparable<Any>> =\n    NaturalOrderComparator\n}\n\n"/\n\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language\n * contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the\n * license/LICENSE.txt file.\n\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("StandardKt")\npackage kotlin\n\nimport\n    kotlin.contracts.*\n\n/**\n * An exception is thrown to indicate that a method body remains to be implemented.\n */\n\npublic class NotImplementedError(message: String = "An operation is not implemented.") :  
    Error(message)\n\n/**\n * Always throws [NotImplementedError] stating that operation is not implemented.\n */\n\n@kotlin.internal.InlineOnly\npublic inline fun TODO(): Nothing = throw NotImplementedError()\n\n/**\n * Always throws [NotImplementedError] stating that operation is not implemented.\n */\n * @param reason a string\n * explaining why the implementation is missing.\n */\n\n@kotlin.internal.InlineOnly\npublic inline fun TODO(reason: String): Nothing = throw NotImplementedError("An operation is not implemented: $reason")\n\n/**\n * Calls\n * the specified function [block] and returns its result.\n */\n * For detailed usage information see the documentation for\n * [scope functions](https://kotlinlang.org/docs/reference/scope-functions.html#run).\n\n@kotlin.internal.InlineOnly\npublic inline fun <R> run(block: () -> R): R {\n    contract {\n        callsInPlace(block, InvocationKind.EXACTLY_ONCE)\n    }\n    return block()\n}\n\n/**\n * Calls the specified\n * function [block] with `this` value as its receiver and returns its result.\n */\n * For detailed usage information see the\n * documentation for [scope functions](https://kotlinlang.org/docs/reference/scope-functions.html#run).\n\n@kotlin.internal.InlineOnly\npublic inline fun <T, R> T.run(block: T.() -> R): R {\n    contract {\n        callsInPlace(block, InvocationKind.EXACTLY_ONCE)\n    }\n    return block()\n}\n\n/**\n * Calls the specified\n * function [block] with the given [receiver] as its receiver and returns its result.\n */\n * For detailed usage information\n * see the documentation for [scope functions](https://kotlinlang.org/docs/reference/scope-functions.html#with).\n\n@kotlin.internal.InlineOnly\npublic inline fun <T, R> with(receiver: T, block: T.() -> R): R {\n    contract {\n        callsInPlace(block, InvocationKind.EXACTLY_ONCE)\n    }\n    return receiver.block()\n}\n\n/**\n * Calls the

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specified function [block] with `this` value as its receiver and returns `this` value.

```
* For detailed usage information see the documentation for [scope functions](https://kotlinlang.org/docs/reference/scope-functions.html#apply).
```

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*\n@kotlin.internal.InlineOnly\npublic inline fun <T> T.apply(block: T.() -> Unit): T {\n    contract {\n        callsInPlace(block, InvocationKind.EXACTLY_ONCE)\n    }\n    block()\n    return this\n}\n\n/**\n * Calls the specified function [block] with `this` value as its argument and returns `this` value.\n *\n * For detailed usage information see the documentation for [scope functions](https://kotlinlang.org/docs/reference/scope-functions.html#also).

```

`maxOf(a, maxOf(b, c))` Returns the greater of three values.

```

*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun maxOf(a: Byte, b: Byte, c: Byte): Byte {\n    return JsMath.max(a.toInt(), b.toInt(), c.toInt()).unsafeCast<Byte>()\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun maxOf(a: Short, b: Short, c: Short): Short {\n    return JsMath.max(a.toInt(), b.toInt(), c.toInt()).unsafeCast<Short>()\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun maxOf(a: Int, b: Int, c: Int): Int {\n    return JsMath.max(a, b, c)\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun maxOf(a: Long, b: Long, c: Long): Long {\n    return maxOf(a, maxOf(b, c))\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun maxOf(a: Float, b: Float, c: Float): Float {\n    return JsMath.max(a, b, c)\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun maxOf(a: Double, b: Double, c: Double): Double {\n    return JsMath.max(a, b, c)\n}\n*/
*\/@SinceKotlin("1.4")\npublic actual fun <T : Comparable<T>> maxOf(a: T, vararg other: T): T {\n    var max = a\n    for (e in other) max = maxOf(max, e)\n    return max\n}\n*/
*\/@SinceKotlin("1.4")\npublic actual fun maxOf(a: Byte, vararg other: Byte): Byte {\n    var max = a\n    for (e in other) max = maxOf(max, e)\n    return max\n}\n*/
*\/@SinceKotlin("1.4")\npublic actual fun maxOf(a: Short, vararg other: Short): Short {\n    var max = a\n    for (e in other) max = maxOf(max, e)\n    return max\n}\n*/
*\/@SinceKotlin("1.4")\npublic actual fun maxOf(a: Int, vararg other: Int): Int {\n    var max = a\n    for (e in other) max = maxOf(max, e)\n    return max\n}\n*/
*\/@SinceKotlin("1.4")\npublic actual fun maxOf(a: Long, vararg other: Long): Long {\n    var max = a\n    for (e in other) max = maxOf(max, e)\n    return max\n}\n*/
*\/@SinceKotlin("1.4")\npublic actual fun maxOf(a: Float, vararg other: Float): Float {\n    var max = a\n    for (e in other) max = maxOf(max, e)\n    return max\n}\n*/
*\/@SinceKotlin("1.4")\npublic actual fun maxOf(a: Double, vararg other: Double): Double {\n    var max = a\n    for (e in other) max = maxOf(max, e)\n    return max\n}\n*/
*\/@SinceKotlin("1.1")\npublic actual fun <T : Comparable<T>> minOf(a: T, b: T): T {\n    return if (a <= b) a else b\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: Byte, b: Byte): Byte {\n    return minOf(a.toInt(), b.toInt()).unsafeCast<Byte>()\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: Short, b: Short): Short {\n    return minOf(a.toInt(), b.toInt()).unsafeCast<Short>()\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: Int, b: Int): Int {\n    return JsMath.min(a, b)\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: Long, b: Long): Long {\n    return if (a <= b) a else b\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: Float, b: Float): Float {\n    return JsMath.min(a, b)\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: Double, b: Double): Double {\n    return JsMath.min(a, b)\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: T : Comparable<T>, b: T, c: T): T {\n    return minOf(a, minOf(b, c))\n}\n*/
*\/@SinceKotlin("1.1")@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: Byte, b: Byte, c: Byte): Byte {\n    return JsMath.min(a.toInt(), b.toInt(), c.toInt()).unsafeCast<Byte>()\n}\n*/

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three values.\n *^@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: Short, b:
Short, c: Short): Short {\n    return JsMath.min(a.toInt(), b.toInt(), c.toInt()).unsafeCast<Short>()\n}\n\n/**\n *
Returns the smaller of three values.\n *^@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic actual inline
fun minOf(a: Int, b: Int, c: Int): Int {\n    return JsMath.min(a, b, c)\n}\n\n/**\n * Returns the smaller of three
values.\n *^@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: Long, b: Long,
c: Long): Long {\n    return minOf(a, minOf(b, c))\n}\n\n/**\n * Returns the smaller of three values.\n * \n * If any
value is `NaN`, returns `NaN`.\n *^@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic actual inline fun
minOf(a: Float, b: Float, c: Float): Float {\n    return JsMath.min(a, b, c)\n}\n\n/**\n * Returns the smaller of three
values.\n * \n * If any value is `NaN`, returns `NaN`.\n\n
*^@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: Double, b: Double, c:
Double): Double {\n    return JsMath.min(a, b, c)\n}\n\n/**\n * Returns the smaller of the given values.\n * \n * If
there are multiple equal minimal values, returns the first of them.\n *^@SinceKotlin("1.4")\n\npublic actual fun <T
: Comparable<T>> minOf(a: T, vararg other: T): T {\n    var min = a\n    for (e in other) min = minOf(min, e)\n\n
return min\n}\n\n/**\n * Returns the smaller of the given values.\n *^@SinceKotlin("1.4")\n\npublic actual fun
minOf(a: Byte, vararg other: Byte): Byte {\n    var min = a\n    for (e in other) min = minOf(min, e)\n    return
min\n}\n\n/**\n * Returns the smaller of the given values.\n *^@SinceKotlin("1.4")\n\npublic actual fun minOf(a:
Short, vararg other: Short): Short {\n    var min = a\n    for (e in other) min = minOf(min, e)\n    return
min\n}\n\n/**\n * Returns the smaller of the given values.\n *^@SinceKotlin("1.4")\n\npublic actual fun minOf(a:
Int, vararg other: Int): Int {\n    var min = a\n    for (e in other) min = minOf(min, e)\n    return min\n}\n\n/**\n
* Returns the smaller of the given values.\n *^@SinceKotlin("1.4")\n\npublic actual fun minOf(a: Long, vararg
other: Long): Long {\n    var min = a\n    for (e in other) min = minOf(min, e)\n    return min\n}\n\n/**\n * Returns
the smaller of the given values.\n * \n * If any value is `NaN`, returns `NaN`.\n *^@SinceKotlin("1.4")\n\npublic
actual fun minOf(a: Float, vararg other: Float): Float {\n    var min = a\n    for (e in other) min = minOf(min, e)\n
return min\n}\n\n/**\n * Returns the smaller of the given values.\n * \n * If any value is `NaN`, returns `NaN`.\n\n
*^@SinceKotlin("1.4")\n\npublic actual fun minOf(a: Double, vararg other: Double): Double {\n    var min = a\n
for (e in other) min = minOf(min, e)\n    return min\n}\n\n"/**\n * Copyright 2010-2022 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n *^@n\n// Auto-generated file. DO NOT EDIT!\n\npackage kotlin\n\nimport
kotlin.experimental.*\n\nimport
kotlin.jvm.*\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@JvmInline\n\npu
blic value class ULong @PublishedApi internal constructor(@PublishedApi internal val data: Long) :
Comparable<ULong> {\n\n    companion object {\n\n        /**\n         * A constant holding the minimum value an
instance of ULong can have.\n         *^@n         public const val MIN_VALUE: ULong = ULong(0)\n         *^@n
         * A constant holding the maximum value an instance of ULong can have.\n         *^@n         public const val
MAX_VALUE: ULong = ULong(-1)\n         *^@n         * The number of bytes used to represent an instance of
ULong in a binary form.\n         *^@n         public const val SIZE_BYTES: Int = 8\n         *^@n         * The number
of bits used to represent an instance of ULong in a binary form.\n         *^@n         public const val SIZE_BITS: Int = 64\n
        }\n\n        /**\n         * Compares this value with the specified value for order.\n         * Returns zero if this value is equal to
the specified other value, a negative number if it's less than other,\n         * or a positive number if it's greater than
other.\n         *^@n         @kotlin.internal.InlineOnly\n         public inline operator fun compareTo(other: UByte): Int =
this.compareTo(other.toULong())\n         *^@n         * Compares this value with the specified value for order.\n         *
Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n         * or
a positive number if it's greater than other.\n         *^@n         @kotlin.internal.InlineOnly\n         public inline operator fun
compareTo(other: UShort): Int = this.compareTo(other.toULong())\n         *^@n         * Compares this value with the
specified value for order.\n         * Returns zero if this value is equal to the specified other value, a negative number if
it's less than other,\n         * or a positive number if it's greater than other.\n         *^@n         @kotlin.internal.InlineOnly\n
public inline operator fun compareTo(other: UInt): Int = this.compareTo(other.toULong())\n         *^@n         *
Compares this value with the specified value for order.\n         * Returns zero if this value is equal to the specified other

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value, a negative number if it's less than other.\n    * or a positive number if it's greater than other.\n    *\n    @kotlin.internal.InlineOnly\n    @Suppress("OVERRIDE_BY_INLINE")\n    public override inline operator fun
compareTo(other: ULong): Int = ulongCompare(this.data, other.data)\n    /** Adds the other value to this value.
*\n    @kotlin.internal.InlineOnly\n    public inline operator fun plus(other: UByte): ULong =
this.plus(other.toULong())\n    /** Adds the other value to this value. *\n    @kotlin.internal.InlineOnly\n    public
inline operator fun plus(other: UShort): ULong = this.plus(other.toULong())\n    /** Adds the other value to this
value. *\n    @kotlin.internal.InlineOnly\n    public inline operator fun plus(other: UInt): ULong =
this.plus(other.toULong())\n    /** Adds the other value to this value. *\n    @kotlin.internal.InlineOnly\n    public
inline operator fun plus(other: ULong): ULong = ULong(this.data.plus(other.data))\n    /** Subtracts the other
value from this value. *\n    @kotlin.internal.InlineOnly\n    public inline operator fun minus(other: UByte): ULong
= this.minus(other.toULong())\n    /** Subtracts the other value from this value. *\n    @kotlin.internal.InlineOnly\n
    public inline operator fun minus(other: UShort): ULong = this.minus(other.toULong())\n    /** Subtracts the other
value from this value. *\n    @kotlin.internal.InlineOnly\n    public inline operator fun minus(other: UInt): ULong =
this.minus(other.toULong())\n    /** Subtracts the other value from this value. *\n    @kotlin.internal.InlineOnly\n
    public inline operator fun minus(other: ULong): ULong = ULong(this.data.minus(other.data))\n    /** Multiplies
this value by the other value. *\n    @kotlin.internal.InlineOnly\n    public inline operator fun times(other: UByte):
ULong = this.times(other.toULong())\n    /** Multiplies this value by the other value. *\n
    @kotlin.internal.InlineOnly\n    public inline operator fun times(other: UShort): ULong =
this.times(other.toULong())\n    /** Multiplies this value by the other value. *\n    @kotlin.internal.InlineOnly\n
    public inline operator fun times(other: UInt): ULong = this.times(other.toULong())\n    /** Multiplies this value by
the other value. *\n    @kotlin.internal.InlineOnly\n    public inline operator fun times(other: ULong): ULong =
ULong(this.data.times(other.data))\n    /** Divides this value by the other value, truncating the result to an integer
that is closer to zero. *\n    @kotlin.internal.InlineOnly\n    public inline operator fun div(other: UByte): ULong =
this.div(other.toULong())\n    /** Divides this value by the other value, truncating the result to an integer that is
closer to zero. *\n    @kotlin.internal.InlineOnly\n    public inline operator fun div(other: UShort): ULong =
this.div(other.toULong())\n    /** Divides this value by the other value, truncating the result to an integer that is
closer to zero. *\n    @kotlin.internal.InlineOnly\n    public inline operator fun div(other: UInt): ULong =
this.div(other.toULong())\n    /** Divides this value by the other value, truncating the result to an integer that is
closer to zero. *\n    @kotlin.internal.InlineOnly\n    public inline operator fun div(other: ULong): ULong =
ulongDivide(this, other)\n    /**\n    * Calculates the remainder of truncating division of this value by the other
value.\n    * \n    * The result is always less than the divisor.\n    *\n    @kotlin.internal.InlineOnly\n    public
inline operator fun rem(other: UByte): ULong = this.rem(other.toULong())\n    /**\n    * Calculates the remainder
of truncating division of this value by the other value.\n    * \n    * The result is always less than the divisor.\n
    *\n    @kotlin.internal.InlineOnly\n    public inline operator fun rem(other: UShort): ULong =
this.rem(other.toULong())\n    /**\n    * Calculates the remainder of truncating division of this value by the other
value.\n    * \n    * The result is always less than the divisor.\n    *\n    @kotlin.internal.InlineOnly\n    public
inline operator fun rem(other: UInt): ULong = this.rem(other.toULong())\n    /**\n    * Calculates the remainder of
truncating division of this value by the other value.\n    * \n    * The result is always less than the divisor.\n
    *\n    @kotlin.internal.InlineOnly\n    public inline operator fun rem(other: ULong): ULong = ulongRemainder(this,
other)\n    /**\n    * Divides this value by the other value, flooring the result to an integer that is closer to negative
infinity.\n    * \n    * For unsigned types, the results of flooring division and truncating division are the same.\n
    *\n    @kotlin.internal.InlineOnly\n    public inline fun floorDiv(other: UByte): ULong =
this.floorDiv(other.toULong())\n    /**\n    * Divides this value by the other value, flooring the result to an integer
that is closer to negative infinity.\n    * \n    * For unsigned types, the results of flooring division and truncating
division are the same.\n    *\n    @kotlin.internal.InlineOnly\n    public inline fun floorDiv(other: UShort): ULong
= this.floorDiv(other.toULong())\n    /**\n    * Divides this value by the other value, flooring the result to an integer
that is closer to negative infinity.\n    * \n    * For unsigned types, the results of flooring division and truncating
division are the same.\n    *\n    @kotlin.internal.InlineOnly\n    public inline fun floorDiv(other: UInt): ULong =

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this.floorDiv(other.toULong())\n /**\n * Divides this value by the other value, flooring the result to an integer
that is closer to negative infinity.\n * \n * For unsigned types, the results of flooring division and truncating
division are the same.\n * \n @kotlin.internal.InlineOnly\n public inline fun floorDiv(other: ULong): ULong =
div(other)\n\n /**\n * Calculates the remainder of flooring division of this value by the other value.\n * \n *
The result is always less than the divisor.\n * \n * For unsigned types, the remainders of flooring division and
truncating division are the same.\n * \n @kotlin.internal.InlineOnly\n public inline fun mod(other: UByte):
UByte = this.mod(other.toULong()).toUByte()\n\n /**\n * Calculates the remainder of flooring division of this
value by the other value.\n * \n * The result is always less than the divisor.\n * \n * For unsigned types, the
remainders of flooring division and truncating division are the same.\n * \n @kotlin.internal.InlineOnly\n
public inline fun mod(other: UShort): UShort = this.mod(other.toULong()).toUShort()\n\n /**\n * Calculates the
remainder of flooring division of this value by the other value.\n * \n * The result is always less than the
divisor.\n * \n * For unsigned types, the remainders of flooring division and truncating division are the same.\n
*\n @kotlin.internal.InlineOnly\n public inline fun mod(other: UInt): UInt =
this.mod(other.toULong()).toUInt()\n\n /**\n * Calculates the remainder of flooring division of this value by the
other value.\n * \n * The result is always less than the divisor.\n * \n * For unsigned types, the remainders
of flooring division and truncating division are the same.\n * \n @kotlin.internal.InlineOnly\n public inline
fun mod(other: ULong): ULong = rem(other)\n\n /**\n * Returns this value incremented by one.\n * \n *
@sample samples.misc.Builtins.inc\n * \n @kotlin.internal.InlineOnly\n public inline operator fun inc():
ULong = ULong(data.inc())\n\n /**\n * Returns this value decremented by one.\n * \n * @sample
samples.misc.Builtins.dec\n * \n @kotlin.internal.InlineOnly\n public inline operator fun dec(): ULong =
ULong(data.dec())\n\n /**\n * Creates a range from this value to the specified [other] value. *\n
@kotlin.internal.InlineOnly\n public inline operator fun rangeTo(other: ULong): ULongRange =
ULongRange(this, other)\n\n /**\n * Shifts this value left by the [bitCount] number of bits.\n * \n * Note
that only the six lowest-order bits of the [bitCount] are used as the shift distance.\n * \n * The shift distance
actually used is therefore always in the range `0..63`.\n * \n @kotlin.internal.InlineOnly\n public inline infix fun
shl(bitCount: Int): ULong = ULong(data shl bitCount)\n\n /**\n * Shifts this value right by the [bitCount]
number of bits, filling the leftmost bits with zeros.\n * \n * Note that only the six lowest-order bits of the
[bitCount] are used as the shift distance.\n * \n * The shift distance actually used is therefore always in the
range `0..63`.\n * \n @kotlin.internal.InlineOnly\n public inline infix fun shr(bitCount: Int): ULong = ULong(data
ushr bitCount)\n\n /**\n * Performs a bitwise AND operation between the two values. *\n
@kotlin.internal.InlineOnly\n public inline infix fun and(other: ULong): ULong = ULong(this.data and
other.data)\n\n /**\n * Performs a bitwise OR operation between the two values. *\n
@kotlin.internal.InlineOnly\n public inline infix fun or(other: ULong): ULong = ULong(this.data or other.data)\n\n /**\n * Performs a bitwise XOR
operation between the two values. *\n
@kotlin.internal.InlineOnly\n public inline infix fun xor(other: ULong):
ULong = ULong(this.data xor other.data)\n\n /**\n * Inverts the bits in this value. *\n
@kotlin.internal.InlineOnly\n public inline fun inv(): ULong = ULong(data.inv())\n\n /**\n * Converts this [ULong] value to [Byte].\n * \n
* If this value is less than or equals to [Byte.MAX_VALUE], the resulting `Byte` value represents\n * the same
numerical value as this `ULong`.\n * \n * The resulting `Byte` value is represented by the least significant 8 bits
of this `ULong` value.\n * \n * Note that the resulting `Byte` value may be negative.\n * \n
@kotlin.internal.InlineOnly\n public inline fun toByte(): Byte = data.toByte()\n\n /**\n * Converts this [ULong]
value to [Short].\n * \n * If this value is less than or equals to [Short.MAX_VALUE], the resulting `Short` value
represents\n * the same numerical value as this `ULong`.\n * \n * The resulting `Short` value is represented
by the least significant 16 bits of this `ULong` value.\n * \n * Note that the resulting `Short` value may be
negative.\n * \n @kotlin.internal.InlineOnly\n public inline fun toShort(): Short = data.toShort()\n\n /**\n * Converts this
[ULong] value to [Int].\n * \n * If this value is less than or equals to [Int.MAX_VALUE], the resulting `Int`
value represents\n * the same numerical value as this `ULong`.\n * \n * The resulting `Int` value is
represented by the least significant 32 bits of this `ULong` value.\n * \n * Note that the resulting `Int` value
may be negative.\n * \n @kotlin.internal.InlineOnly\n public inline fun toInt(): Int = data.toInt()\n\n /**\n *

```

Converts this [ULong] value to [Long].  
 \* If this value is less than or equals to [Long.MAX\_VALUE], the resulting `Long` value represents the same numerical value as this `ULong`. Otherwise the result is negative.  
 \* The resulting `Long` value has the same binary representation as this `ULong` value.  
 @kotlin.internal.InlineOnly  
 public inline fun toLong(): Long = data  
 /\*\*  
 \* Converts this [ULong] value to [UByte].  
 \* If this value is less than or equals to [UByte.MAX\_VALUE], the resulting `UByte` value represents the same numerical value as this `ULong`.  
 \* The resulting `UByte` value is represented by the least significant 8 bits of this `ULong` value.  
 @kotlin.internal.InlineOnly  
 public inline fun toUByte(): UByte = data.toUByte()  
 /\*\*  
 \* Converts this [ULong] value to [UShort].  
 \* If this value is less than or equals to [UShort.MAX\_VALUE], the resulting `UShort` value represents the same numerical value as this `ULong`.  
 \* The resulting `UShort` value is represented by the least significant 16 bits of this `ULong` value.  
 @kotlin.internal.InlineOnly  
 public inline fun toUShort(): UShort = data.toUShort()  
 /\*\*  
 \* Converts this [ULong] value to [UInt].  
 \* If this value is less than or equals to [UInt.MAX\_VALUE], the resulting `UInt` value represents the same numerical value as this `ULong`.  
 \* The resulting `UInt` value is represented by the least significant 32 bits of this `ULong` value.  
 @kotlin.internal.InlineOnly  
 public inline fun toUInt(): UInt = data.toUInt()  
 /\*\* Returns this value. \*/  
 @kotlin.internal.InlineOnly  
 public inline fun toULong(): ULong = this  
 /\*\*  
 \* Converts this [ULong] value to [Float].  
 \* The resulting value is the closest `Float` to this `ULong` value.  
 \* In case when this `ULong` value is exactly between two `Float`s, the one with zero at least significant bit of mantissa is selected.  
 @kotlin.internal.InlineOnly  
 public inline fun toFloat(): Float = this.toDouble().toFloat()  
 /\*\*  
 \* Converts this [ULong] value to [Double].  
 \* The resulting value is the closest `Double` to this `ULong` value.  
 \* In case when this `ULong` value is exactly between two `Double`s, the one with zero at least significant bit of mantissa is selected.  
 @kotlin.internal.InlineOnly  
 public inline fun toDouble(): Double = ulongToDouble(data)  
 public override fun toString(): String = ulongToString(data)  
 /\*\*  
 \* Converts this [Byte] value to [ULong].  
 \* If this value is positive, the resulting `ULong` value represents the same numerical value as this `Byte`.  
 \* The least significant 8 bits of the resulting `ULong` value are the same as the bits of this `Byte` value,  
 \* whereas the most significant 56 bits are filled with the sign bit of this value.  
 @SinceKotlin("1.5")  
 @WasExperimental(ExperimentalUnsignedTypes::class)  
 @kotlin.internal.InlineOnly  
 public inline fun Byte.toULong(): ULong = ULong(this.toLong())  
 /\*\*  
 \* Converts this [Short] value to [ULong].  
 \* If this value is positive, the resulting `ULong` value represents the same numerical value as this `Short`.  
 \* The least significant 16 bits of the resulting `ULong` value are the same as the bits of this `Short` value,  
 \* whereas the most significant 48 bits are filled with the sign bit of this value.  
 @kotlin.internal.InlineOnly  
 @SinceKotlin("1.5")  
 @WasExperimental(ExperimentalUnsignedTypes::class)  
 @kotlin.internal.InlineOnly  
 public inline fun Short.toULong(): ULong = ULong(this.toLong())  
 /\*\*  
 \* Converts this [Int] value to [ULong].  
 \* If this value is positive, the resulting `ULong` value represents the same numerical value as this `Int`.  
 \* The least significant 32 bits of the resulting `ULong` value are the same as the bits of this `Int` value,  
 \* whereas the most significant 32 bits are filled with the sign bit of this value.  
 @kotlin.internal.InlineOnly  
 @SinceKotlin("1.5")  
 @WasExperimental(ExperimentalUnsignedTypes::class)  
 @kotlin.internal.InlineOnly  
 public inline fun Int.toULong(): ULong = ULong(this.toLong())  
 /\*\*  
 \* Converts this [Long] value to [ULong].  
 \* If this value is positive, the resulting `ULong` value represents the same numerical value as this `Long`.  
 \* The resulting `ULong` value has the same binary representation as this `Long` value.  
 @kotlin.internal.InlineOnly  
 @SinceKotlin("1.5")  
 @WasExperimental(ExperimentalUnsignedTypes::class)  
 @kotlin.internal.InlineOnly  
 public inline fun Long.toULong(): ULong = ULong(this)  
 /\*\*  
 \* Converts this [Float] value to [ULong].  
 \* The fractional part, if any, is rounded down towards zero.  
 \* Returns zero if this `Float` value is negative or `NaN`, [ULong.MAX\_VALUE] if it's bigger than `ULong.MAX\_VALUE`.  
 @kotlin.internal.InlineOnly  
 @SinceKotlin("1.5")  
 @WasExperimental(ExperimentalUnsignedTypes::class)  
 @kotlin.internal.InlineOnly  
 public inline fun Float.toULong(): ULong = doubleToULong(this.toDouble())  
 /\*\*  
 \* Converts this [Double] value to [ULong].  
 \* The fractional part, if any, is rounded down towards zero.  
 \* Returns zero if this `Double` value is negative or `NaN`, [ULong.MAX\_VALUE] if it's bigger than `ULong.MAX\_VALUE`.

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*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline fun Double.toULong(): ULong = doubleToULong(this)\n", /*\n * Copyright 2010-2021 JetBrains  
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0  
license that can be found in the license/LICENSE.txt file.\n*\n\n*\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("CollectionsKt")\n\npackage  
kotlin.collections\n\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:  
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\nimport  
kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Returns 1st *element* from the list.\n * \n *\n * Throws an [IndexOutOfBoundsException] if the size of this list is less than 1.\n*\n*\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> List<T>.component1(): T {\n    return  
get(0)\n}\n\n/**\n * Returns 2nd *element* from the list.\n * \n *\n * Throws an [IndexOutOfBoundsException] if the  
size of this list is less than 2.\n*\n*\n@kotlin.internal.InlineOnly\npublic inline operator fun <T>  
List<T>.component2(): T {\n    return get(1)\n}\n\n/**\n * Returns 3rd *element* from the list.\n * \n *\n * Throws an  
[IndexOutOfBoundsException] if the size of this list is less than 3.\n*\n*\n@kotlin.internal.InlineOnly\npublic inline  
operator fun <T> List<T>.component3(): T {\n    return get(2)\n}\n\n/**\n * Returns 4th *element* from the list.\n * \n *\n * Throws an [IndexOutOfBoundsException] if the size of this list is less than 4.\n*\n*\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> List<T>.component4(): T {\n    return  
get(3)\n}\n\n/**\n * Returns 5th *element* from the list.\n * \n *\n * Throws an [IndexOutOfBoundsException] if the  
size of this list is less than 5.\n*\n*\n@kotlin.internal.InlineOnly\npublic inline operator fun <T>  
List<T>.component5(): T {\n    return get(4)\n}\n}\n\n/**\n * Returns `true` if [element] is found in the collection.\n*\n*\npublic operator fun <@kotlin.internal.OnlyInputTypes T> Iterable<T>.contains(element: T): Boolean {\n    if  
(this is Collection)\n        return contains(element)\n    return indexOf(element) >= 0\n}\n\n/**\n * Returns an  
element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this  
collection.\n * \n * @sample samples.collections.Collections.Elements.elementAt\n*\n*\npublic fun <T>  
Iterable<T>.elementAt(index: Int): T {\n    if (this is List)\n        return get(index)\n    return  
elementAtOrElse(index) { throw IndexOutOfBoundsException("Collection doesn't contain element at index  
$index.") }\n}\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if  
the [index] is out of bounds of this list.\n * \n * @sample samples.collections.Collections.Elements.elementAt\n*\n*\n@kotlin.internal.InlineOnly\npublic inline fun <T> List<T>.elementAt(index: Int): T {\n    return  
get(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue] function  
if the [index] is out of bounds of this collection.\n * \n * @sample  
samples.collections.Collections.Elements.elementAtOrElse\n*\n*\npublic fun <T>  
Iterable<T>.elementAtOrElse(index: Int, defaultValue: (Int) -> T): T {\n    if (this is List)\n        return  
this.getOrElse(index, defaultValue)\n    if (index < 0)\n        return defaultValue(index)\n    val iterator = iterator()\n    var count = 0\n    while (iterator.hasNext()) {\n        val element = iterator.next()\n        if (index == count++)\n            return element\n    }\n    return defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the  
result of calling the [defaultValue] function if the [index] is out of bounds of this list.\n * \n * @sample  
samples.collections.Collections.Elements.elementAtOrElse\n*\n*\n@kotlin.internal.InlineOnly\npublic inline fun  
<T> List<T>.elementAtOrElse(index: Int, defaultValue: (Int) -> T): T {\n    return if (index >= 0 && index <=  
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or `null` if the  
[index] is out of bounds of this collection.\n * \n * @sample  
samples.collections.Collections.Elements.elementAtOrNull\n*\n*\npublic fun <T>  
Iterable<T>.elementAtOrNull(index: Int): T? {\n    if (this is List)\n        return this.getOrNull(index)\n    if (index <  
0)\n        return null\n    val iterator = iterator()\n    var count = 0\n    while (iterator.hasNext()) {\n        val element =  
iterator.next()\n        if (index == count++)\n            return element\n    }\n    return null\n}\n\n/**\n * Returns an  
element at the given [index] or `null` if the [index] is out of bounds of this list.\n * \n * @sample  
samples.collections.Collections.Elements.elementAtOrNull\n*\n*\n@kotlin.internal.InlineOnly\npublic inline fun  
<T> List<T>.elementAtOrNull(index: Int): T? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns the first

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element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n * \n @kotlin.internal.InlineOnly\npublic inline fun <T>
Iterable<T>.find(predicate: (T) -> Boolean): T? {\n    return firstOrNull(predicate)\n}\n\n/**\n * Returns the last
element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n * \n @kotlin.internal.InlineOnly\npublic inline fun <T>
Iterable<T>.findLast(predicate: (T) -> Boolean): T? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns the last
element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n * \n @kotlin.internal.InlineOnly\npublic inline fun <T>
List<T>.findLast(predicate: (T) -> Boolean): T? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns first
element.\n * @throws [NoSuchElementException] if the collection is empty.\n * \n @public fun <T>
Iterable<T>.first(): T {\n    when (this) {\n        is List -> return this.first()\n        else -> {\n            val iterator =
iterator()\n            if (!iterator.hasNext())\n                throw NoSuchElementException("Collection is empty.")\n            return iterator.next()\n        }\n    }\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException]
if the list is empty.\n * \n @public fun <T> List<T>.first(): T {\n    if (isEmpty())\n        throw
NoSuchElementException("List is empty.")\n    return this[0]\n}\n\n/**\n * Returns the first element matching the
given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n * \n @public inline fun <T>
Iterable<T>.first(predicate: (T) -> Boolean): T {\n    for (element in this) if (predicate(element)) return element\n
throw NoSuchElementException("Collection contains no element matching the predicate.")\n}\n\n/**\n * Returns
the first non-null value produced by [transform] function being applied to elements of this collection in iteration
order,\n * or throws [NoSuchElementException] if no non-null value was produced.\n * \n * @sample
samples.collections.Collections.Transformations.firstNotNullOf\n
* \n @SinceKotlin("1.5")\n @kotlin.internal.InlineOnly\n public inline fun <T, R : Any>
Iterable<T>.firstNotNullOf(transform: (T) -> R?): R {\n    return firstNotNullOfOrNull(transform) ?: throw
NoSuchElementException("No element of the collection was transformed to a non-null value.")\n}\n\n/**\n *
Returns the first non-null value produced by [transform] function being applied to elements of this collection in
iteration order,\n * or `null` if no non-null value was produced.\n * \n * @sample
samples.collections.Collections.Transformations.firstNotNullOf\n
* \n @SinceKotlin("1.5")\n @kotlin.internal.InlineOnly\n public inline fun <T, R : Any>
Iterable<T>.firstNotNullOfOrNull(transform: (T) -> R?): R? {\n    for (element in this) {\n        val result =
transform(element)\n        if (result != null) {\n            return result\n        }\n    }\n    return null\n}\n\n/**\n *
Returns the first element, or `null` if the collection is empty.\n * \n @public fun <T> Iterable<T>.firstOrNull(): T? {\n
when (this) {\n    is List -> {\n        if (isEmpty())\n            return null\n        else\n            return this[0]\n    }\n
else -> {\n        val iterator = iterator()\n        if (!iterator.hasNext())\n            return null\n        return iterator.next()\n    }\n}\n\n/**\n * Returns the first element, or `null` if the list is empty.\n * \n @public
fun <T> List<T>.firstOrNull(): T? {\n    return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element
matching the given [predicate], or `null` if element was not found.\n * \n @public inline fun <T>
Iterable<T>.firstOrNull(predicate: (T) -> Boolean): T? {\n    for (element in this) if (predicate(element)) return
element\n    return null\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the
[defaultValue] function if the [index] is out of bounds of this list.\n * \n @kotlin.internal.InlineOnly\n public inline
fun <T> List<T>.getOrElse(index: Int, defaultValue: (Int) -> T): T {\n    return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or `null` if the
[index] is out of bounds of this list.\n * \n * @sample samples.collections.Collections.Elements.getOrElse\n
* \n @public fun <T> List<T>.getOrNull(index: Int): T? {\n    return if (index >= 0 && index <= lastIndex) get(index)
else null\n}\n\n/**\n * Returns first index of [element], or -1 if the collection does not contain element.\n * \n @public
fun <@kotlin.internal.OnlyInputTypes T> Iterable<T>.indexOf(element: T): Int {\n    if (this is List) return
this.indexOf(element)\n    var index = 0\n    for (item in this) {\n        checkIndexOverflow(index)\n        if (element
== item)\n            return index\n        index++\n    }\n    return -1\n}\n\n/**\n * Returns first index of [element], or -1
if the list does not contain element.\n * \n @Suppress("EXTENSION_SHADOWED_BY_MEMBER") // false

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warning, extension takes precedence in some cases\npublic fun <@kotlin.internal.OnlyInputTypes T>
List<T>.indexOf(element: T): Int {\n    return indexOf(element)\n}\n\n/**\n * Returns index of the first element
matching the given [predicate], or -1 if the collection does not contain such element.\n */\npublic inline fun <T>
Iterable<T>.indexOfFirst(predicate: (T) -> Boolean): Int {\n    var index = 0\n    for (item in this) {\n
checkIndexOverflow(index)\n        if (predicate(item))\n            return index\n        index++\n    }\n    return -
1\n}\n\n/**\n * Returns index of the first element matching the given [predicate], or -1 if the list does not contain
such element.\n */\npublic inline fun <T> List<T>.indexOfFirst(predicate: (T) -> Boolean): Int {\n    var index = 0\n
for (item in this) {\n        if (predicate(item))\n            return index\n        index++\n    }\n    return -1\n}\n\n/**\n *
Returns index of the last element matching the given [predicate], or -1 if the collection does not contain such
element.\n */\npublic inline fun <T> Iterable<T>.indexOfLast(predicate: (T) -> Boolean): Int {\n    var lastIndex = -
1\n    var index = 0\n    for (item in this) {\n        checkIndexOverflow(index)\n        if (predicate(item))\n
lastIndex = index\n        index++\n    }\n    return lastIndex\n}\n\n/**\n * Returns index of the last element matching
the given [predicate], or -1 if the list does not contain such element.\n */\npublic inline fun <T>
List<T>.indexOfLast(predicate: (T) -> Boolean): Int {\n    val iterator = this.listIterator(size)\n    while
(iterator.hasPrevious()) {\n        if (predicate(iterator.previous())) {\n            return iterator.nextIndex()\n        }\n
}\n    return -1\n}\n\n/**\n * Returns the last element.\n * \n * @throws NoSuchElementException if the collection
is empty.\n * \n * @sample samples.collections.Collections.Elements.last\n */\npublic fun <T> Iterable<T>.last(): T
{\n    when (this) {\n        is List -> return this.last()\n        else -> {\n            val iterator = iterator()\n            if
(!iterator.hasNext())\n                throw NoSuchElementException("Collection is empty.")\n            var last =
iterator.next()\n            while (iterator.hasNext())\n                last = iterator.next()\n            return last\n        }\n
}\n}\n\n/**\n * Returns the last element.\n * \n * @throws NoSuchElementException if the list is empty.\n * \n *
@sample samples.collections.Collections.Elements.last\n */\npublic fun <T> List<T>.last(): T {\n    if (isEmpty())\n        throw NoSuchElementException("List is empty.")\n    return this[lastIndex]\n}\n\n/**\n * Returns the last
element matching the given [predicate].\n * \n * @throws NoSuchElementException if no such element is found.\n * \n *
@sample samples.collections.Collections.Elements.last\n */\npublic inline fun <T>
Iterable<T>.last(predicate: (T) -> Boolean): T {\n    var last: T? = null\n    var found = false\n    for (element in this)
{\n        if (predicate(element)) {\n            last = element\n            found = true\n        }\n    }\n    if (!found) throw
NoSuchElementException("Collection contains no element matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return last as T\n}\n\n/**\n * Returns the last element matching the
given [predicate].\n * \n * @throws NoSuchElementException if no such element is found.\n * \n * @sample
samples.collections.Collections.Elements.last\n */\npublic inline fun <T> List<T>.last(predicate: (T) -> Boolean): T
{\n    val iterator = this.listIterator(size)\n    while (iterator.hasPrevious()) {\n        val element = iterator.previous()\n
if (predicate(element)) return element\n    }\n    throw NoSuchElementException("List contains no element
matching the predicate.")\n}\n\n/**\n * Returns last index of [element], or -1 if the collection does not contain
element.\n */\npublic fun <@kotlin.internal.OnlyInputTypes T> Iterable<T>.lastIndexOf(element: T): Int {\n    if
(this is List) return this.lastIndexOf(element)\n    var lastIndex = -1\n    var index = 0\n    for (item in this) {\n
checkIndexOverflow(index)\n        if (element == item)\n            lastIndex = index\n        index++\n    }\n    return
lastIndex\n}\n\n/**\n * Returns last index of [element], or -1 if the list does not contain element.\n */\n\n*\n@Suppress("EXTENSION_SHADOWED_BY_MEMBER") // false warning, extension takes precedence in
some cases\npublic fun <@kotlin.internal.OnlyInputTypes T> List<T>.lastIndexOf(element: T): Int {\n    return
lastIndexOf(element)\n}\n\n/**\n * Returns the last element, or `null` if the collection is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n */\npublic fun <T> Iterable<T>.lastOrNull(): T? {\n    when (this)
{\n        is List -> return if (isEmpty()) null else this[size - 1]\n        else -> {\n            val iterator = iterator()\n
if (!iterator.hasNext())\n                return null\n            var last = iterator.next()\n            while (iterator.hasNext())\n
                last = iterator.next()\n            return last\n        }\n    }\n}\n\n/**\n * Returns the last element, or `null` if the
list is empty.\n * \n * @sample samples.collections.Collections.Elements.last\n */\npublic fun <T>
List<T>.lastOrNull(): T? {\n    return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element
matching the given [predicate], or `null` if no such element was found.\n * \n * @sample

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samples.collections.Collections.Elements.last\n */\npublic inline fun <T> Iterable<T>.lastOrNull(predicate: (T) ->
Boolean): T? {\n    var last: T? = null\n    for (element in this) {\n        if (predicate(element)) {\n            last =
element\n        }\n    }\n    return last\n}\n\n/**\n * Returns the last element matching the given [predicate], or `null`
if no such element was found.\n * \n * @sample samples.collections.Collections.Elements.last\n */\npublic inline
fun <T> List<T>.lastOrNull(predicate: (T) -> Boolean): T? {\n    val iterator = this.listIterator(size)\n    while
(iterator.hasPrevious()) {\n        val element = iterator.previous()\n        if (predicate(element)) return element\n    }\n
return null\n}\n\n/**\n * Returns a random element from this collection.\n * \n * @throws
NoSuchElementException if this collection is empty.\n\n*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <T> Collection<T>.random(): T {\n
return random(Random)\n}\n\n/**\n * Returns a random element from this collection using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this collection is empty.\n\n*/\n@SinceKotlin("1.3")\npublic fun <T> Collection<T>.random(random: Random): T {\n    if (isEmpty())\n        throw NoSuchElementException("Collection is empty.")\n    return elementAt(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this collection, or `null` if this collection is empty.\n\n*/\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun <T> Collection<T>.randomOrNull(): T? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a
random element from this collection using the specified source of randomness, or `null` if this collection is empty.\n\n*/\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun <T>
Collection<T>.randomOrNull(random: Random): T? {\n    if (isEmpty())\n        return null\n    return
elementAt(random.nextInt(size))\n}\n\n/**\n * Returns the single element, or throws an exception if the collection is
empty or has more than one element.\n\n*/\npublic fun <T> Iterable<T>.single(): T {\n    when (this) {\n        is List -
> return this.single()\n        else -> {\n            val iterator = iterator()\n            if (!iterator.hasNext())\n                throw NoSuchElementException("Collection is empty.")\n            val single = iterator.next()\n            if
(iterator.hasNext())\n                throw IllegalArgumentException("Collection has more than one element.")\n            return single\n        }\n    }\n}\n\n/**\n * Returns the single element, or throws an exception if the list is empty or
has more than one element.\n\n*/\npublic fun <T> List<T>.single(): T {\n    return when (size) {\n        0 -> throw
NoSuchElementException("List is empty.")\n        1 -> this[0]\n        else -> throw
IllegalArgumentException("List has more than one element.")\n    }\n}\n\n/**\n * Returns the single element
matching the given [predicate], or throws exception if there is no or more than one matching element.\n\n*/\npublic
inline fun <T> Iterable<T>.single(predicate: (T) -> Boolean): T {\n    var single: T? = null\n    var found = false\n
for (element in this) {\n        if (predicate(element)) {\n            if (found) throw
IllegalArgumentException("Collection contains more than one matching element.")\n            single = element\n
found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("Collection contains no element
matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as T\n}\n\n/**\n * Returns
single element, or `null` if the collection is empty or has more than one element.\n\n*/\npublic fun <T>
Iterable<T>.singleOrNull(): T? {\n    when (this) {\n        is List -> return if (size == 1) this[0] else null\n        else ->
{\n            val iterator = iterator()\n            if (!iterator.hasNext())\n                return null\n            val single =
iterator.next()\n            if (iterator.hasNext())\n                return null\n            return single\n        }\n    }\n}\n\n/**\n * Returns single element, or `null` if the list is empty or has more than one element.\n\n*/\npublic fun <T>
List<T>.singleOrNull(): T? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns the single element
matching the given [predicate], or `null` if element was not found or more than one element was found.\n\n*/\npublic
inline fun <T> Iterable<T>.singleOrNull(predicate: (T) -> Boolean): T? {\n    var single: T? = null\n    var found =
false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single =
element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns a list
containing all elements except first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n *
@sample samples.collections.Collections.Transformations.drop\n */\npublic fun <T> Iterable<T>.drop(n: Int):
List<T> {\n    require(n >= 0) {"Requested element count $n is less than zero." }\n    if (n == 0) return toList()\n
val list: ArrayList<T>\n    if (this is Collection<*>) {\n        val resultSize = size - n\n        if (resultSize <= 0)\n

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return emptyList()\n    if (resultSize == 1)\n        return listOf(last())\n    list = ArrayList<T>(resultSize)\n    if (this is List<T>) {\n        if (this is RandomAccess) {\n            for (index in n until size)\n                list.add(this[index])\n        } else {\n            for (item in listIterator(n))\n                list.add(item)\n        }\n        return list\n    }\n    } else {\n        list = ArrayList<T>()\n        var count = 0\n        for (item in this) {\n            if (count >= n) list.add(item) else ++count\n        }\n        return list.optimizeReadOnlyList()\n    }\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * @throws IllegalArgumentException if [n] is negative.\n * @sample samples.collections.Collections.Transformations.drop\n */\npublic fun <T> List<T>.dropLast(n: Int): List<T> {\n    require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    return take((size - n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last elements that satisfy the given [predicate].\n * @sample samples.collections.Collections.Transformations.drop\n */\npublic inline fun <T> List<T>.dropLastWhile(predicate: (T) -> Boolean): List<T> {\n    if (!isEmpty()) {\n        val iterator = listIterator(size)\n        while (iterator.hasPrevious()) {\n            if (!predicate(iterator.previous()))\n                return take(iterator.nextIndex() + 1)\n        }\n    }\n    return emptyList()\n}\n\n/**\n * Returns a list containing all elements except first elements that satisfy the given [predicate].\n * @sample samples.collections.Collections.Transformations.drop\n */\npublic inline fun <T> Iterable<T>.dropWhile(predicate: (T) -> Boolean): List<T> {\n    var yielding = false\n    val list = ArrayList<T>()\n    for (item in this)\n        if (yielding)\n            list.add(item)\n        else if (!predicate(item)) {\n            list.add(item)\n            yielding = true\n        }\n    return list\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * @sample samples.collections.Collections.Filtering.filter\n */\npublic inline fun <T> Iterable<T>.filter(predicate: (T) -> Boolean): List<T> {\n    return filterTo(ArrayList<T>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and returns the result of predicate evaluation on the element.\n * @sample samples.collections.Collections.Filtering.filterIndexed\n */\npublic inline fun <T> Iterable<T>.filterIndexed(predicate: (index: Int, T) -> Boolean): List<T> {\n    return filterIndexedTo(ArrayList<T>(), predicate)\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n * @param [predicate] function that takes the index of an element and the element itself\n * and returns the result of predicate evaluation on the element.\n * @sample samples.collections.Collections.Filtering.filterIndexedTo\n */\npublic inline fun <T, C : MutableCollection<in T>> Iterable<T>.filterIndexedTo(destination: C, predicate: (index: Int, T) -> Boolean): C {\n    forEachIndexed { index, element ->\n        if (predicate(index, element)) destination.add(element)\n    }\n    return destination\n}\n\n/**\n * Returns a list containing all elements that are instances of specified type parameter R.\n * @sample samples.collections.Collections.Filtering.filterIsInstance\n */\npublic inline fun <reified R> Iterable<*>.filterIsInstance(): List<@kotlin.internal.NoInfer R> {\n    return filterIsInstanceTo(ArrayList<R>())\n}\n\n/**\n * Appends all elements that are instances of specified type parameter R to the given [destination].\n * @sample samples.collections.Collections.Filtering.filterIsInstanceTo\n */\npublic inline fun <reified R, C : MutableCollection<in R>> Iterable<*>.filterIsInstanceTo(destination: C): C {\n    for (element in this) if (element is R) destination.add(element)\n    return destination\n}\n\n/**\n * Returns a list containing all elements not matching the given [predicate].\n * @sample samples.collections.Collections.Filtering.filter\n */\npublic inline fun <T> Iterable<T>.filterNot(predicate: (T) -> Boolean): List<T> {\n    return filterNotTo(ArrayList<T>(), predicate)\n}\n\n/**\n * Returns a list containing all elements that are not `null`.\n * @sample samples.collections.Collections.Filtering.filterNotNull\n */\npublic fun <T : Any> Iterable<T?>.filterNotNull(): List<T> {\n    return filterNotNullTo(ArrayList<T>())\n}\n\n/**\n * Appends all elements that are not `null` to the given [destination].\n * @sample samples.collections.Collections.Filtering.filterNotNullTo\n */\npublic fun <C : MutableCollection<in T>, T : Any> Iterable<T?>.filterNotNullTo(destination: C): C {\n    for (element in this) if (element != null) destination.add(element)\n    return destination\n}\n\n/**\n * Appends all elements not matching the given [predicate] to the given [destination].\n * @sample samples.collections.Collections.Filtering.filterTo\n */\npublic inline fun <T, C : MutableCollection<in T>> Iterable<T>.filterNotTo(destination: C, predicate: (T) ->

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Boolean): C { \n  for (element in this) if (!predicate(element)) destination.add(element)\n  return
destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n * \n *
@sample samples.collections.Collections.Filtering.filterTo\n * \npublic inline fun <T, C : MutableCollection<in
T>> Iterable<T>.filterTo(destination: C, predicate: (T) -> Boolean): C { \n  for (element in this) if
(predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Returns a list containing elements
at indices in the specified [indices] range.\n * \npublic fun <T> List<T>.slice(indices: IntRange): List<T> { \n  if
(indices.isEmpty()) return listOf()\n  return this.subList(indices.start, indices.endInclusive + 1).toList()\n}\n\n/**\n * Returns a list containing elements at specified [indices].\n * \npublic fun <T> List<T>.slice(indices:
Iterable<Int>): List<T> { \n  val size = indices.collectionSizeOrDefault(10)\n  if (size == 0) return emptyList()\n
val list = ArrayList<T>(size)\n  for (index in indices) { \n    list.add(get(index))\n  }\n  return list\n}\n\n/**\n * Returns a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n *
@sample samples.collections.Collections.Transformations.take\n * \npublic fun <T> Iterable<T>.take(n: Int):
List<T> { \n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return
emptyList()\n  if (this is Collection<T>) { \n    if (n >= size) return toList()\n    if (n == 1) return
listOf(first())\n  }\n  var count = 0\n  val list = ArrayList<T>(n)\n  for (item in this) { \n    list.add(item)\n
if (++count == n)\n    break\n  }\n  return list.optimizeReadOnlyList()\n}\n\n/**\n * Returns a list containing
last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n * \npublic fun <T> List<T>.takeLast(n: Int): List<T> { \n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return emptyList()\n  val size =
size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(last())\n  val list = ArrayList<T>(n)\n  if (this is
RandomAccess) { \n    for (index in size - n until size)\n      list.add(this[index])\n  } else { \n    for (item in
listIterator(size - n))\n      list.add(item)\n  }\n  return list\n}\n\n/**\n * Returns a list containing last elements
satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n * \npublic
inline fun <T> List<T>.takeLastWhile(predicate: (T) -> Boolean): List<T> { \n  if (isEmpty())\n    return
emptyList()\n  val iterator = listIterator(size)\n  while (iterator.hasPrevious()) { \n    if
(!predicate(iterator.previous())) { \n      iterator.next()\n      val expectedSize = size - iterator.nextIndex()\n
if (expectedSize == 0) return emptyList()\n      return ArrayList<T>(expectedSize).apply { \n        while
(iterator.hasNext())\n          add(iterator.next())\n        }\n      }\n    }\n  }\n  return toList()\n}\n\n/**\n * Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n * \npublic inline fun <T> Iterable<T>.takeWhile(predicate:
(T) -> Boolean): List<T> { \n  val list = ArrayList<T>()\n  for (item in this) { \n    if (!predicate(item))\n
break\n    list.add(item)\n  }\n  return list\n}\n\n/**\n * Reverses elements in the list in-place.\n * \npublic
expect fun <T> MutableList<T>.reverse(): Unit\n\n/**\n * Returns a list with elements in reversed order.\n
*\npublic fun <T> Iterable<T>.reversed(): List<T> { \n  if (this is Collection && size <= 1) return toList()\n  val
list = toMutableList()\n  list.reverse()\n  return list\n}\n\n/**\n * Randomly shuffles elements in this list in-place
using the specified [random] instance as the source of randomness.\n * \n * See:
https://en.wikipedia.org/wiki/Fisher%20%80%93Yates\_shuffle#The\_modern\_algorithm\n
*\npublic fun <T> MutableList<T>.shuffle(random: Random): Unit { \n  for (i in lastIndex
downTo 1) { \n    val j = random.nextInt(i + 1)\n    this[j] = this.set(i, this[j])\n  }\n}\n\n/**\n * Sorts elements
in the list in-place according to natural sort order of the value returned by specified [selector] function.\n * \n * The
sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n * \npublic
inline fun <T, R : Comparable<R>> MutableList<T>.sortBy(crossinline selector: (T) -> R?): Unit { \n  if (size > 1)
sortWith(compareBy(selector))\n}\n\n/**\n * Sorts elements in the list in-place descending according to natural sort
order of the value returned by specified [selector] function.\n * \n * The sort is _stable_. It means that equal
elements preserve their order relative to each other after sorting.\n * \npublic inline fun <T, R : Comparable<R>>
MutableList<T>.sortByDescending(crossinline selector: (T) -> R?): Unit { \n  if (size > 1)
sortWith(compareByDescending(selector))\n}\n\n/**\n * Sorts elements in the list in-place descending according to
their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to

```

```

each other after sorting.\n *
\npublic fun <T : Comparable<T>> MutableList<T>.sortDescending(): Unit {\n
sortWith(reverseOrder())\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n *
\n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n *
\npublic fun <T : Comparable<T>> Iterable<T>.sorted(): List<T> {\n if (this is Collection) {\n if (size <= 1)
return this.toList()\n @Suppress("UNCHECKED_CAST")\n return (toTypedArray<Comparable<T>>())
as Array<T>).apply { sort() }.asList()\n }\n return toMutableList().apply { sort() }\n}\n\n/**\n * Returns a list of
all elements sorted according to natural sort order of the value returned by specified [selector] function.\n *
\n * The
sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n *
\n *
\n * @sample samples.collections.Collections.Sorting.sortedBy\n *
\npublic inline fun <T, R : Comparable<R>>
Iterable<T>.sortedBy(crossinline selector: (T) -> R?): List<T> {\n return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to natural
sort order of the value returned by specified [selector] function.\n *
\n * The sort is _stable_. It means that equal
elements preserve their order relative to each other after sorting.\n *
\npublic inline fun <T, R : Comparable<R>>
Iterable<T>.sortedByDescending(crossinline selector: (T) -> R?): List<T> {\n return
sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending
according to their natural sort order.\n *
\n * The sort is _stable_. It means that equal elements preserve their order
relative to each other after sorting.\n *
\npublic fun <T : Comparable<T>> Iterable<T>.sortedDescending(): List<T>
{\n return sortedWith(reverseOrder())\n}\n\n/**\n * Returns a list of all elements sorted according to the specified
[comparator].\n *
\n * The sort is _stable_. It means that equal elements preserve their order relative to each other
after sorting.\n *
\npublic fun <T> Iterable<T>.sortedWith(comparator: Comparator<in T>): List<T> {\n if (this is
Collection) {\n if (size <= 1) return this.toList()\n @Suppress("UNCHECKED_CAST")\n return
(toTypedArray<Any?>()) as Array<T>).apply { sortWith(comparator) }.asList()\n }\n return
toMutableList().apply { sortWith(comparator) }\n}\n\n/**\n * Returns an array of Boolean containing all of the
elements of this collection.\n *
\npublic fun Collection<Boolean>.toBooleanArray(): BooleanArray {\n val result
= BooleanArray(size)\n var index = 0\n for (element in this)\n result[index++] = element\n return
result\n}\n\n/**\n * Returns an array of Byte containing all of the elements of this collection.\n *
\npublic fun
Collection<Byte>.toByteArray(): ByteArray {\n val result = ByteArray(size)\n var index = 0\n for (element in
this)\n result[index++] = element\n return result\n}\n\n/**\n * Returns an array of Char containing all of the
elements of this collection.\n *
\npublic fun Collection<Char>.toCharArray(): CharArray {\n val result =
CharArray(size)\n var index = 0\n for (element in this)\n result[index++] = element\n return
result\n}\n\n/**\n * Returns an array of Double containing all of the elements of this collection.\n *
\npublic fun
Collection<Double>.toDoubleArray(): DoubleArray {\n val result = DoubleArray(size)\n var index = 0\n for
(element in this)\n result[index++] = element\n return result\n}\n\n/**\n * Returns an array of Float containing
all of the elements of this collection.\n *
\npublic fun Collection<Float>.toFloatArray(): FloatArray {\n val result
= FloatArray(size)\n var index = 0\n for (element in this)\n result[index++] = element\n return
result\n}\n\n/**\n * Returns an array of Int containing all of the elements of this collection.\n *
\npublic fun
Collection<Int>.toIntArray(): IntArray {\n val result = IntArray(size)\n var index = 0\n for (element in this)\n
result[index++] = element\n return result\n}\n\n/**\n * Returns an array of Long containing all of the elements
of this collection.\n *
\npublic fun Collection<Long>.toLongArray(): LongArray {\n val result =
LongArray(size)\n var index = 0\n for (element in this)\n result[index++] = element\n return
result\n}\n\n/**\n * Returns an array of Short containing all of the elements of this collection.\n *
\npublic fun
Collection<Short>.toShortArray(): ShortArray {\n val result = ShortArray(size)\n var index = 0\n for (element
in this)\n result[index++] = element\n return result\n}\n\n/**\n * Returns a [Map] containing key-value pairs
provided by [transform] function\n * applied to elements of the given collection.\n *
\n * If any of two pairs would
have the same key the last one gets added to the map.\n *
\n * The returned map preserves the entry iteration order
of the original collection.\n *
\n * @sample samples.collections.Collections.Transformations.associate\n *
\npublic
inline fun <T, K, V> Iterable<T>.associate(transform: (T) -> Pair<K, V>): Map<K, V> {\n val capacity =
mapCapacity(collectionSizeOrDefault(10)).coerceAtLeast(16)\n return associateTo(LinkedHashMap<K,

```

V>(capacity), transform)\n\n\n\*\*\n \* Returns a [Map] containing the elements from the given collection indexed by the key\n \* returned from [keySelector] function applied to each element.\n \* \n \* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.\n \* \n \* The returned map preserves the entry iteration order of the original collection.\n \* \n \* @sample

```

samples.collections.Collections.Transformations.associateBy\n *^\npublic inline fun <T, K>
Iterable<T>.associateBy(keySelector: (T) -> K): Map<K, T> {\n    val capacity =
mapCapacity(collectionSizeOrDefault(10)).coerceAtLeast(16)\n    return associateByTo(LinkedHashMap<K,
T>(capacity), keySelector)\n}\n\n**\n * Returns a [Map] containing the values provided by [valueTransform] and
indexed by [keySelector] functions applied to elements of the given collection.\n * \n * If any two elements would
have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves
the entry iteration order of the original collection.\n * \n * @sample
samples.collections.Collections.Transformations.associateByWithValueTransform\n *^\npublic inline fun <T, K, V>
Iterable<T>.associateBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, V> {\n    val capacity =
mapCapacity(collectionSizeOrDefault(10)).coerceAtLeast(16)\n    return associateByTo(LinkedHashMap<K,
V>(capacity), keySelector, valueTransform)\n}\n\n**\n * Populates and returns the [destination] mutable map with
key-value pairs,\n * where key is provided by the [keySelector] function applied to each element of the given
collection\n * and value is the element itself.\n * \n * If any two elements would have the same key returned by
[keySelector] the last one gets added to the map.\n * \n * @sample
samples.collections.Collections.Transformations.associateByTo\n *^\npublic inline fun <T, K, M : MutableMap<in
K, in T>> Iterable<T>.associateByTo(destination: M, keySelector: (T) -> K): M {\n    for (element in this) {\n
destination.put(keySelector(element), element)\n    }\n    return destination\n}\n\n**\n * Populates and returns the
[destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function and\n *
value is provided by the [valueTransform] function applied to elements of the given collection.\n * \n * If any two
elements would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * @sample
samples.collections.Collections.Transformations.associateByToWithValueTransform\n *^\npublic inline fun <T, K,
V, M : MutableMap<in K, in V>> Iterable<T>.associateByTo(destination: M, keySelector: (T) -> K,
valueTransform: (T) -> V): M {\n    for (element in this) {\n        destination.put(keySelector(element),
valueTransform(element))\n    }\n    return destination\n}\n\n**\n * Populates and returns the [destination] mutable
map with key-value pairs\n * provided by [transform] function applied to each element of the given collection.\n *
\n * If any of two pairs would have the same key the last one gets added to the map.\n * \n * @sample
samples.collections.Collections.Transformations.associateTo\n *^\npublic inline fun <T, K, V, M : MutableMap<in
K, in V>> Iterable<T>.associateTo(destination: M, transform: (T) -> Pair<K, V>): M {\n    for (element in this) {\n
destination += transform(element)\n    }\n    return destination\n}\n\n**\n * Returns a [Map] where keys are
elements from the given collection and values are\n * produced by the [valueSelector] function applied to each
element.\n * \n * If any two elements are equal, the last one gets added to the map.\n * \n * The returned map
preserves the entry iteration order of the original collection.\n * \n * @sample
samples.collections.Collections.Transformations.associateWith\n *^\n@SinceKotlin("1.3")\npublic inline fun <K,
V> Iterable<K>.associateWith(valueSelector: (K) -> V): Map<K, V> {\n    val result = LinkedHashMap<K,
V>(mapCapacity(collectionSizeOrDefault(10)).coerceAtLeast(16))\n    return associateWithTo(result,
valueSelector)\n}\n\n**\n * Populates and returns the [destination] mutable map with key-value pairs for each
element of the given collection,\n * where key is the element itself and value is provided by the [valueSelector]
function applied to that key.\n * \n * If any two elements are equal, the last one overwrites the former value in the
map.\n * \n * @sample samples.collections.Collections.Transformations.associateWithTo\n
*^\n@SinceKotlin("1.3")\npublic inline fun <K, V, M : MutableMap<in K, in V>>
Iterable<K>.associateWithTo(destination: M, valueSelector: (K) -> V): M {\n    for (element in this) {\n
destination.put(element, valueSelector(element))\n    }\n    return destination\n}\n\n**\n * Appends all elements to
the given [destination] collection.\n *^\npublic fun <T, C : MutableCollection<in T>>
Iterable<T>.toCollection(destination: C): C {\n    for (item in this) {\n        destination.add(item)\n    }\n    return

```

```

destination\n}\n\n/**\n * Returns a new [HashSet] of all elements.\n */\npublic fun <T> Iterable<T>.toHashSet():
HashSet<T> {\n    return toCollection(HashSet<T>(mapCapacity(collectionSizeOrDefault(12))))\n}\n\n/**\n *
Returns a [List] containing all elements.\n */\npublic fun <T> Iterable<T>.toList(): List<T> {\n    if (this is
Collection) {\n        return when (size) {\n            0 -> emptyList()\n            1 -> listOf(if (this is List) get(0) else
iterator().next())\n            else -> this.toMutableList()\n        }\n    }\n    return
this.toMutableList().optimizeReadOnlyList()\n}\n\n/**\n * Returns a new [MutableList] filled with all elements of
this collection.\n */\npublic fun <T> Iterable<T>.toMutableList(): MutableList<T> {\n    if (this is Collection<T>)\n        return this.toMutableList()\n    return toCollection(ArrayList<T>())\n}\n\n/**\n * Returns a new [MutableList]
filled with all elements of this collection.\n */\npublic fun <T> Collection<T>.toMutableList(): MutableList<T> {\n
    return ArrayList(this)\n}\n\n/**\n * Returns a [Set] of all elements.\n */\n * \n * The returned set preserves the element
iteration order of the original collection.\n */\npublic fun <T> Iterable<T>.toSet(): Set<T> {\n    if (this is
Collection) {\n        return when (size) {\n            0 -> emptySet()\n            1 -> setOf(if (this is List) this[0] else
iterator().next())\n            else -> toCollection(LinkedHashSet<T>(mapCapacity(size)))\n        }\n    }\n    return
toCollection(LinkedHashSet<T>()).optimizeReadOnlySet()\n}\n\n/**\n * Returns a single list of all elements
yielded from results of [transform] function being invoked on each element of original collection.\n */\n * \n * @sample
samples.collections.Collections.Transformations.flatMap\n */\npublic inline fun <T, R>
Iterable<T>.flatMap(transform: (T) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(),
transform)\n}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element of original collection.\n */\n * \n * @sample
samples.collections.Collections.Transformations.flatMap\n
*/\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapSequence")\npublic inline fun <T, R>
Iterable<T>.flatMap(transform: (T) -> Sequence<R>): List<R> {\n    return flatMapTo(ArrayList<R>(),
transform)\n}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element\n * and its index in the original collection.\n */\n * \n * @sample
samples.collections.Collections.Transformations.flatMapIndexed\n
*/\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedIterable")\n@kotlin.internal.InlineOnly\npublic
inline fun <T, R> Iterable<T>.flatMapIndexed(transform: (index: Int, T) -> Iterable<R>): List<R> {\n    return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from
results of [transform] function being invoked on each element\n * and its index in the original collection.\n */\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*/\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedSequence")\n@kotlin.internal.InlineOnly\npublic
inline fun <T, R> Iterable<T>.flatMapIndexed(transform: (index: Int, T) -> Sequence<R>): List<R> {\n    return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Appends all elements yielded from results of
[transform] function being invoked on each element\n * and its index in the original collection, to the given
[destination].\n */\n\n*/\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedIterableTo")\n@kotlin.internal.InlineOnly\npublic
inline fun <T, R, C : MutableCollection<in R>> Iterable<T>.flatMapIndexedTo(destination: C, transform: (index:
Int, T) -> Iterable<R>): C {\n    var index = 0\n    for (element in this) {\n        val list =
transform(checkIndexOverflow(index++), element)\n        destination.addAll(list)\n    }\n    return
destination\n}\n\n/**\n * Appends all elements yielded from results of [transform] function being invoked on each
element\n * and its index in the original collection, to the given [destination].\n */\n\n*/\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapIndexedSequenceTo")\n@kotlin.internal.InlineOnly\npublic
inline fun <T, R, C : MutableCollection<in R>> Iterable<T>.flatMapIndexedTo(destination: C, transform:

```

```

(index: Int, T) -> Sequence<R>): C {
    var index = 0
    for (element in this) {
        val list =
            transform(checkIndexOverflow(index++), element)
        destination.addAll(list)
    }
    return destination
}

```

Appends all elements yielded from results of [transform] function being invoked on each element of original collection, to the given [destination].

```

public inline fun <T, R, C : MutableCollection<in R>> Iterable<T>.flatMapTo(destination: C, transform: (T) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}

```

Appends all elements yielded from results of [transform] function being invoked on each element of original collection, to the given [destination].

```

@SinceKotlin("1.4")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolutionByLambdaReturnType
@kotlin.jvm.JvmName("flatMapSequenceTo")
public inline fun <T, R, C : MutableCollection<in R>> Iterable<T>.flatMapTo(destination: C, transform: (T) -> Sequence<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}

```

Groups elements of the original collection by the key returned by the given [keySelector] function applied to each element and returns a map where each group key is associated with a list of corresponding elements.

The returned map preserves the entry iteration order of the keys produced from the original collection.

```

@sample samples.collections.Collections.Transformations.groupBy
public inline fun <T, K> Iterable<T>.groupBy(keySelector: (T) -> K): Map<K, List<T>> {
    return groupByTo(LinkedHashMap<K, MutableList<T>>(), keySelector)
}

```

Groups values returned by the [valueTransform] function applied to each element of the original collection by the key returned by the given [keySelector] function applied to the element and returns a map where each group key is associated with a list of corresponding values.

The returned map preserves the entry iteration order of the keys produced from the original collection.

```

@sample samples.collections.Collections.Transformations.groupByKeysAndValues
public inline fun <T, K, V> Iterable<T>.groupBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, List<V>> {
    return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)
}

```

Groups elements of the original collection by the key returned by the given [keySelector] function applied to each element and puts to the [destination] map each group key associated with a list of corresponding elements.

@return The [destination] map.

```

@sample samples.collections.Collections.Transformations.groupBy
public inline fun <T, K, M : MutableMap<in K, MutableList<T>>> Iterable<T>.groupByTo(destination: M, keySelector: (T) -> K): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<T>() }
        list.add(element)
    }
    return destination
}

```

Groups values returned by the [valueTransform] function applied to each element of the original collection by the key returned by the given [keySelector] function applied to the element and puts to the [destination] map each group key associated with a list of corresponding values.

@return The [destination] map.

```

@sample samples.collections.Collections.Transformations.groupByKeysAndValues
public inline fun <T, K, V, M : MutableMap<in K, MutableList<V>>> Iterable<T>.groupByTo(destination: M, keySelector: (T) -> K, valueTransform: (T) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<V>() }
        list.add(valueTransform(element))
    }
    return destination
}

```

Creates a [Grouping] source from a collection to be used later with one of group-and-fold operations using the specified [keySelector] function to extract a key from each element.

```

@sample samples.collections.Grouping.groupingByEachCount
@SinceKotlin("1.1")
public inline fun <T, K> Iterable<T>.groupingBy(crossinline keySelector: (T) -> K): Grouping<T, K> {
    return object : Grouping<T, K> {
        override fun sourceIterator(): Iterator<T> = this@groupingBy.iterator()
        override fun keyOf(element: T): K = keySelector(element)
    }
}

```

Returns a list containing the results of applying the given [transform] function to each element in the original collection.

```

@sample samples.collections.Collections.Transformations.map
public inline fun <T, R> Iterable<T>.map(transform: (T) -> R): List<R> {
    return mapTo(ArrayList<R>(collectionSizeOrDefault(10)), transform)
}

```

Returns a list containing the results of applying the given [transform] function to each element and its index in

the original collection.

\* @param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```
public inline fun <T, R>
Iterable<T>.mapIndexed(transform: (index: Int, T) -> R): List<R> {
    return
    mapIndexedTo(ArrayList<R>(collectionSizeOrDefault(10)), transform)
}
```

\* Returns a list containing only the non-null results of applying the given [transform] function to each element and its index in the original collection.

\* @param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```
public inline fun <T, R : Any>
Iterable<T>.mapIndexedNotNull(transform: (index: Int, T) -> R?): List<R> {
    return
    mapIndexedNotNullTo(ArrayList<R>(), transform)
}
```

\* Applies the given [transform] function to each element and its index in the original collection and appends only the non-null results to the given [destination].

\* @param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```
public inline fun <T, R : Any, C : MutableCollection<in R>>
Iterable<T>.mapIndexedNotNullTo(destination: C, transform: (index: Int, T) -> R?): C {
    forEachIndexed {
    index, element -> transform(index, element)?.let { destination.add(it) }
    }
    return destination
}
```

\* Applies the given [transform] function to each element and its index in the original collection and appends the results to the given [destination].

\* @param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```
public inline fun <T, R, C :
MutableCollection<in R>> Iterable<T>.mapIndexedTo(destination: C, transform: (index: Int, T) -> R): C {
    var
    index = 0
    for (item in this)
        destination.add(transform(checkIndexOverflow(index++), item))
    return
    destination
}
```

\* Returns a list containing only the non-null results of applying the given [transform] function to each element in the original collection.

\* @sample

```
samples.collections.Collections.Transformations.mapNotNull
```

```
public inline fun <T, R : Any>
Iterable<T>.mapNotNull(transform: (T) -> R?): List<R> {
    return mapNotNullTo(ArrayList<R>(),
    transform)
}
```

\* Applies the given [transform] function to each element in the original collection and appends only the non-null results to the given [destination].

```
public inline fun <T, R : Any, C :
MutableCollection<in R>> Iterable<T>.mapNotNullTo(destination: C, transform: (T) -> R?): C {
    forEach {
    element -> transform(element)?.let { destination.add(it) }
    }
    return destination
}
```

\* Applies the given [transform] function to each element of the original collection and appends the results to the given [destination].

```
public inline fun <T, R, C : MutableCollection<in R>> Iterable<T>.mapTo(destination: C,
transform: (T) -> R): C {
    for (item in this)
        destination.add(transform(item))
    return
    destination
}
```

\* Returns a lazy [Iterable] that wraps each element of the original collection into an [IndexedValue] containing the index of that element and the element itself.

```
public fun <T>
Iterable<T>.withIndex(): Iterable<IndexedValue<T>> {
    return IndexingIterable { iterator() }
}
```

\* Returns a list containing only distinct elements from the given collection.

\* Among equal elements of the given collection, only the first one will be present in the resulting list.

\* The elements in the resulting list are in the same order as they were in the source collection.

\* @sample

```
samples.collections.Collections.Transformations.distinctAndDistinctBy
```

```
public fun <T> Iterable<T>.distinct():
List<T> {
    return this.toMutableSet().toList()
}
```

\* Returns a list containing only elements from the given collection having distinct keys returned by the given [selector] function.

\* Among elements of the given collection with equal keys, only the first one will be present in the resulting list.

\* The elements in the resulting list are in the same order as they were in the source collection.

\* @sample

```
samples.collections.Collections.Transformations.distinctAndDistinctBy
```

```
public inline fun <T, K>
Iterable<T>.distinctBy(selector: (T) -> K): List<T> {
    val set = HashSet<K>()
    val list = ArrayList<T>()
    for (e in this) {
        val key = selector(e)
        if (set.add(key))
            list.add(e)
    }
    return list
}
```

\* Returns a set containing all elements that are contained by both this collection and the specified collection.

\* The returned set preserves the element iteration order of the original collection.

\* To get a set containing all elements that are contained at least in one of these collections use [union].

```
public infix fun <T>
Iterable<T>.intersect(other: Iterable<T>): Set<T> {
    val set = this.toMutableSet()
    set.retainAll(other)
}
```

```

return set\n}\n\n/**\n * Returns a set containing all elements that are contained by this collection and not contained
by the specified collection.\n * \n * The returned set preserves the element iteration order of the original
collection.\n */\npublic infix fun <T> Iterable<T>.subtract(other: Iterable<T>): Set<T> {\n    val set =
this.toMutableSet()\n    set.removeAll(other)\n    return set\n}\n\n/**\n * Returns a new [MutableSet] containing all
distinct elements from the given collection.\n * \n * The returned set preserves the element iteration order of the
original collection.\n */\npublic fun <T> Iterable<T>.toMutableSet(): MutableSet<T> {\n    return when (this) {\n
is Collection<T> -> LinkedHashSet(this)\n        else -> toCollection(LinkedHashSet<T>())\n    }\n}\n\n/**\n *
Returns a set containing all distinct elements from both collections.\n * \n * The returned set preserves the element
iteration order of the original collection.\n * Those elements of the [other] collection that are unique are iterated in
the end\n * in the order of the [other] collection.\n * \n * To get a set containing all elements that are contained in
both collections use [intersect].\n */\npublic infix fun <T> Iterable<T>.union(other: Iterable<T>): Set<T> {\n    val
set = this.toMutableSet()\n    set.addAll(other)\n    return set\n}\n\n/**\n * Returns `true` if all elements match the
given [predicate].\n * \n * @sample samples.collections.Collections.Aggregates.all\n */\npublic inline fun <T>
Iterable<T>.all(predicate: (T) -> Boolean): Boolean {\n    if (this is Collection && isEmpty()) return true\n    for
(element in this) if (!predicate(element)) return false\n    return true\n}\n\n/**\n * Returns `true` if collection has at
least one element.\n * \n * @sample samples.collections.Collections.Aggregates.any\n */\npublic fun <T>
Iterable<T>.any(): Boolean {\n    if (this is Collection) return !isEmpty()\n    return iterator().hasNext()\n}\n\n/**\n *
Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.anyWithPredicate\n */\npublic inline fun <T>
Iterable<T>.any(predicate: (T) -> Boolean): Boolean {\n    if (this is Collection && isEmpty()) return false\n    for
(element in this) if (predicate(element)) return true\n    return false\n}\n\n/**\n * Returns the number of elements in
this collection.\n */\npublic fun <T> Iterable<T>.count(): Int {\n    if (this is Collection) return size\n    var count =
0\n    for (element in this) checkCountOverflow(++count)\n    return count\n}\n\n/**\n * Returns the number of
elements in this collection.\n * \n * @kotlin.internal.InlineOnly\n */\npublic inline fun <T> Collection<T>.count(): Int {\n
return size\n}\n\n/**\n * Returns the number of elements matching the given [predicate].\n */\npublic inline fun <T>
Iterable<T>.count(predicate: (T) -> Boolean): Int {\n    if (this is Collection && isEmpty()) return 0\n    var count =
0\n    for (element in this) if (predicate(element)) checkCountOverflow(++count)\n    return count\n}\n\n/**\n *
Accumulates value starting with [initial] value and applying [operation] from left to right\n * to current accumulator
value and each element.\n * \n * Returns the specified [initial] value if the collection is empty.\n * \n * @param
[operation] function that takes current accumulator value and an element, and calculates the next accumulator
value.\n */\npublic inline fun <T, R> Iterable<T>.fold(initial: R, operation: (acc: R, T) -> R): R {\n    var
accumulator = initial\n    for (element in this) accumulator = operation(accumulator, element)\n    return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original collection.\n * \n * Returns the
specified [initial] value if the collection is empty.\n * \n * @param [operation] function that takes the index of an
element, current accumulator value\n * and the element itself, and calculates the next accumulator value.\n */\npublic
inline fun <T, R> Iterable<T>.foldIndexed(initial: R, operation: (index: Int, acc: R, T) -> R): R {\n    var
index = 0\n    var accumulator = initial\n    for (element in this) accumulator =
operation(checkIndexOverflow(index++), accumulator, element)\n    return accumulator\n}\n\n/**\n * Accumulates
value starting with [initial] value and applying [operation] from right to left\n * to each element and current
accumulator value.\n * \n * Returns the specified [initial] value if the list is empty.\n * \n * @param [operation]
function that takes an element and current accumulator value, and calculates the next accumulator value.\n */\npublic
inline fun <T, R> List<T>.foldRight(initial: R, operation: (T, acc: R) -> R): R {\n    var accumulator =
initial\n    if (!isEmpty()) {\n        val iterator = listIterator(size)\n        while (iterator.hasPrevious()) {\n
accumulator = operation(iterator.previous(), accumulator)\n        }\n    }\n    return accumulator\n}\n\n/**\n *
Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element with
its index in the original list and current accumulator value.\n * \n * Returns the specified [initial] value if the list is
empty.\n * \n * @param [operation] function that takes the index of an element, the element itself\n * and current

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accumulator value, and calculates the next accumulator value.\n *^npublic inline fun <T, R>
List<T>.foldRightIndexed(initial: R, operation: (index: Int, T, acc: R) -> R): R {\n  var accumulator = initial\n  if
(!isEmpty()) {\n    val iterator = listIterator(size)\n    while (iterator.hasPrevious()) {\n      val index =
iterator.previousIndex()\n      accumulator = operation(index, iterator.previous(), accumulator)\n    }\n  }\n  return accumulator\n}\n\n/**\n * Performs the given [action] on each element.\n *^n@kotlin.internal.HidesMembers\npublic inline fun <T> Iterable<T>.forEach(action: (T) -> Unit): Unit {\n  for
(element in this) action(element)\n}\n\n/**\n * Performs the given [action] on each element, providing sequential
index with the element.\n * @param [action] function that takes the index of an element and the element itself\n *
and performs the action on the element.\n *^npublic inline fun <T> Iterable<T>.forEachIndexed(action: (index: Int,
T) -> Unit): Unit {\n  var index = 0\n  for (item in this) action(checkIndexOverflow(index++),
item)\n}\n\n@Deprecated("Use maxOrNull instead.")
ReplaceWith("this.maxOrNull()")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\n@SinceKotlin("1.1")\npublic fun Iterable<Double>.max(): Double? {\n  return
maxOrNull()\n}\n\n@Deprecated("Use maxOrNull instead.")
ReplaceWith("this.maxOrNull()")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\n@SinceKotlin("1.1")\npublic fun Iterable<Float>.max(): Float? {\n  return
maxOrNull()\n}\n\n@Deprecated("Use maxOrNull instead.")
ReplaceWith("this.maxOrNull()")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\npublic fun <T : Comparable<T>> Iterable<T>.max(): T? {\n  return
maxOrNull()\n}\n\n@Deprecated("Use maxByOrNull instead.")
ReplaceWith("this.maxByOrNull(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.5", hiddenSince = "1.6")\npublic inline fun <T, R : Comparable<R>> Iterable<T>.maxBy(selector: (T) -> R):
T? {\n  return maxByOrNull(selector)\n}\n\n/**\n * Returns the first element yielding the largest value of the given
function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n *^n@SinceKotlin("1.4")\npublic inline fun <T, R :
Comparable<R>> Iterable<T>.maxByOrNull(selector: (T) -> R): T? {\n  val iterator = iterator()\n  if
(!iterator.hasNext()) return null\n  var maxElem = iterator.next()\n  if (!iterator.hasNext()) return maxElem\n  var
maxValue = selector(maxElem)\n  do {\n    val e = iterator.next()\n    val v = selector(e)\n    if (maxValue <
v) {\n      maxElem = e\n      maxValue = v\n    }\n  } while (iterator.hasNext())\n  return
maxElem\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the collection.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result
is `NaN`.\n * \n * @throws NoSuchElementException if the collection is empty.\n *^n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Iterable<T>.maxOf(selector: (T) ->
Double): Double {\n  val iterator = iterator()\n  if (!iterator.hasNext()) throw NoSuchElementException()\n  var
maxValue = selector(iterator.next())\n  while (iterator.hasNext()) {\n    val v = selector(iterator.next())\n
maxValue = maxOf(maxValue, v)\n  }\n  return maxValue\n}\n\n/**\n * Returns the largest value among all
values produced by [selector] function\n * applied to each element in the collection.\n * \n * If any of values
produced by [selector] function is `NaN`, the returned result is `NaN`.\n * \n * @throws NoSuchElementException
if the collection is empty.\n *^n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Iterable<T>.maxOf(selector: (T) ->
Float): Float {\n  val iterator = iterator()\n  if (!iterator.hasNext()) throw NoSuchElementException()\n  var
maxValue = selector(iterator.next())\n  while (iterator.hasNext()) {\n    val v = selector(iterator.next())\n
maxValue = maxOf(maxValue, v)\n  }\n  return maxValue\n}\n\n/**\n * Returns the largest value among all
values produced by [selector] function\n * applied to each element in the collection.\n * \n * @throws
NoSuchElementException if the collection is empty.\n *^n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution

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ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R : Comparable<R>>
Iterable<T>.maxOf(selector: (T) -> R): R {\n    val iterator = iterator()\n    if (!iterator.hasNext()) throw
NoSuchElementException()\n    var maxValue = selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v
= selector(iterator.next())\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the collection or `null` if there are no elements.\n * \n * If any of values produced by [selector]
function is `NaN`, the returned result is `NaN`.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Iterable<T>.maxOrNull(selector: (T)
-> Double): Double? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var maxValue =
selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v = selector(iterator.next())\n        maxValue =
maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced
by [selector] function\n * applied to each element in the collection or `null` if there are no elements.\n * \n * If any
of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Iterable<T>.maxOrNull(selector: (T)
-> Float): Float? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var maxValue =
selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v = selector(iterator.next())\n        maxValue =
maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced
by [selector] function\n * applied to each element in the collection or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R : Comparable<R>>
Iterable<T>.maxOrNull(selector: (T) -> R): R? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return
null\n    var maxValue = selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v =
selector(iterator.next())\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return
maxValue\n}\n\n/**\n * Returns the largest value according to the provided [comparator]\n * among all values
produced by [selector] function applied to each element in the collection.\n * \n * @throws
NoSuchElementException if the collection is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R>
Iterable<T>.maxOfWith(comparator: Comparator<in R>, selector: (T) -> R): R {\n    val iterator = iterator()\n    if
(!iterator.hasNext()) throw NoSuchElementException()\n    var maxValue = selector(iterator.next())\n    while
(iterator.hasNext()) {\n        val v = selector(iterator.next())\n        if (comparator.compare(maxValue, v) < 0) {\n
            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value according to the provided
[comparator]\n * among all values produced by [selector] function applied to each element in the collection or `null`
if there are no elements.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R>
Iterable<T>.maxOfWithOrNull(comparator: Comparator<in R>, selector: (T) -> R): R? {\n    val iterator =
iterator()\n    if (!iterator.hasNext()) return null\n    var maxValue = selector(iterator.next())\n    while
(iterator.hasNext()) {\n        val v = selector(iterator.next())\n        if (comparator.compare(maxValue, v) < 0) {\n
            maxValue = v\n        }\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest element or `null` if there are no
elements.\n * \n * If any of elements is `NaN` returns `NaN`.\n *\n@SinceKotlin("1.4")\npublic fun
Iterable<Double>.maxOrNull(): Double? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var
max = iterator.next()\n    while (iterator.hasNext()) {\n        val e = iterator.next()\n        max = maxOf(max, e)\n
    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n * \n * If any of
elements is `NaN` returns `NaN`.\n *\n@SinceKotlin("1.4")\npublic fun Iterable<Float>.maxOrNull(): Float? {\n
val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var max = iterator.next()\n    while

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R : Comparable<R>>
Iterable<T>.minOf(selector: (T) -> R): R {\n    val iterator = iterator()\n    if (!iterator.hasNext()) throw
NoSuchElementException()\n    var minValue = selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v
= selector(iterator.next())\n        if (minValue > v) {\n            minValue = v\n        }\n    }\n    return
minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each element in the collection or `null` if there are no elements.\n * \n * If any of values produced by [selector]
function is `NaN`, the returned result is `NaN`.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Iterable<T>.minOfOrNull(selector: (T)
-> Double): Double? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var minValue =
selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v = selector(iterator.next())\n        minValue =
minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced
by [selector] function\n * applied to each element in the collection or `null` if there are no elements.\n * \n * If any
of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T> Iterable<T>.minOfOrNull(selector: (T)
-> Float): Float? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var minValue =
selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v = selector(iterator.next())\n        minValue =
minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced
by [selector] function\n * applied to each element in the collection or `null` if there are no elements.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R : Comparable<R>>
Iterable<T>.minOfOrNull(selector: (T) -> R): R? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return
null\n    var minValue = selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v =
selector(iterator.next())\n        if (minValue > v) {\n            minValue = v\n        }\n    }\n    return
minValue\n}\n\n/**\n * Returns the smallest value according to the provided [comparator]\n * among all values
produced by [selector] function applied to each element in the collection.\n * \n * @throws
NoSuchElementException if the collection is empty.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R> Iterable<T>.minOfWith(comparator:
Comparator<in R>, selector: (T) -> R): R {\n    val iterator = iterator()\n    if (!iterator.hasNext()) throw
NoSuchElementException()\n    var minValue = selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v
= selector(iterator.next())\n        if (comparator.compare(minValue, v) > 0) {\n            minValue = v\n        }\n    }\n    return
minValue\n}\n\n/**\n * Returns the smallest value according to the provided [comparator]\n * among all
values produced by [selector] function applied to each element in the collection or `null` if there are no elements.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R>

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Iterable<T>.minOfWithOrNull(comparator: Comparator<in R>, selector: (T) -> R): R? {\n    val iterator =
iterator()\n    if (!iterator.hasNext()) return null\n    var minValue = selector(iterator.next())\n    while
(iterator.hasNext()) {\n        val v = selector(iterator.next())\n        if (comparator.compare(minValue, v) > 0) {\n
            minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest element or `null` if there are
no elements.\n * \n * If any of elements is `NaN` returns `NaN`.\n * \n *\n@SinceKotlin("1.4")\npublic fun

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Iterable<Double>.minOrNull(): Double? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var
min = iterator.next()\n    while (iterator.hasNext()) {\n        val e = iterator.next()\n        min = minOf(min, e)\n    }\n    return
min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n * \n * If any of elements
is `NaN` returns `NaN`.\n * \n *\n@SinceKotlin("1.4")\npublic fun

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Iterable<Float>.minOrNull(): Float? {\n    val
iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var min = iterator.next()\n    while (iterator.hasNext())

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{\n    val e = iterator.next()\n    min = minOf(min, e)\n } \n return min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n */\n@SinceKotlin("1.4")\npublic fun <T> Comparable<T>> Iterable<T>.minOrNull(): T? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var min = iterator.next()\n    while (iterator.hasNext()) {\n        val e = iterator.next()\n        if (min > e) min = e\n    }\n    return min\n}\n\n@Deprecated("Use minWithOrNull instead.", ReplaceWith("this.minWithOrNull(comparator)"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic fun <T> Iterable<T>.minWith(comparator: Comparator<in T>): T? {\n    return minWithOrNull(comparator)\n}\n\n/**\n * Returns the first element having the smallest value according to the provided [comparator] or `null` if there are no elements.\n */\n@SinceKotlin("1.4")\npublic fun <T> Iterable<T>.minWithOrNull(comparator: Comparator<in T>): T? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var min = iterator.next()\n    while (iterator.hasNext()) {\n        val e = iterator.next()\n        if (comparator.compare(min, e) > 0) min = e\n    }\n    return min\n}\n\n/**\n * Returns `true` if the collection has no elements.\n */\n@sample samples.collections.Collections.Aggregates.none\n */\npublic fun <T> Iterable<T>.none(): Boolean {\n    if (this is Collection) return isEmpty()\n    return !iterator().hasNext()\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n */\n@sample samples.collections.Collections.Aggregates.noneWithPredicate\n */\npublic inline fun <T> Iterable<T>.none(predicate: (T) -> Boolean): Boolean {\n    if (this is Collection && isEmpty()) return true\n    for (element in this) if (predicate(element)) return false\n    return true\n}\n\n/**\n * Performs the given [action] on each element and returns the collection itself afterwards.\n */\n@SinceKotlin("1.1")\npublic inline fun <T, C : Iterable<T>> C.onEach(action: (T) -> Unit): C {\n    return apply { for (element in this) action(element) }\n}\n\n/**\n * Performs the given [action] on each element, providing sequential index with the element,\n * and returns the collection itself afterwards.\n */\n@param [action] function that takes the index of an element and the element itself\n * and performs the action on the element.\n */\n@SinceKotlin("1.4")\npublic inline fun <T, C : Iterable<T>> C.onEachIndexed(action: (index: Int, T) -> Unit): C {\n    return apply { forEachIndexed(action) }\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current accumulator value and each element.\n */\n * Throws an exception if this collection is empty. If the collection can be empty in an expected way,\n * please use [reduceOrNull] instead. It returns `null` when its receiver is empty.\n */\n@param [operation] function that takes current accumulator value and an element,\n * and calculates the next accumulator value.\n */\n@sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun <S, T : S> Iterable<T>.reduce(operation: (acc: S, T) -> S): S {\n    val iterator = this.iterator()\n    if (!iterator.hasNext()) throw UnsupportedOperationException("Empty collection can't be reduced.")\n    var accumulator: S = iterator.next()\n    while (iterator.hasNext()) {\n        accumulator = operation(accumulator, iterator.next())\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current accumulator value and each element with its index in the original collection.\n */\n * Throws an exception if this collection is empty. If the collection can be empty in an expected way,\n * please use [reduceIndexedOrNull] instead. It returns `null` when its receiver is empty.\n */\n@param [operation] function that takes the index of an element, current accumulator value and the element itself,\n * and calculates the next accumulator value.\n */\n@sample samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun <S, T : S> Iterable<T>.reduceIndexed(operation: (index: Int, acc: S, T) -> S): S {\n    val iterator = this.iterator()\n    if (!iterator.hasNext()) throw UnsupportedOperationException("Empty collection can't be reduced.")\n    var index = 1\n    var accumulator: S = iterator.next()\n    while (iterator.hasNext()) {\n        accumulator = operation(checkIndexOverflow(index++), accumulator, iterator.next())\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current accumulator value and each element with its index in the original collection.\n */\n * Returns `null` if the collection is empty.\n */\n@param [operation] function that takes the index of an element, current accumulator value and the element itself,\n * and calculates the next accumulator value.\n */\n@sample samples.collections.Collections.Aggregates.reduceOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun <S, T : S> Iterable<T>.reduceIndexedOrNull(operation: (index: Int, acc: S, T) -> S): S? {\n    val iterator = this.iterator()\n    if

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(iterator.hasNext()) return null\n    var index = 1\n    var accumulator: S = iterator.next()\n    while
(iterator.hasNext()) {\n        accumulator = operation(checkIndexOverflow(index++), accumulator, iterator.next())\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation]
from left to right\n * to current accumulator value and each element.\n * \n * Returns `null` if the collection is
empty.\n * \n * @param [operation] function that takes current accumulator value and an element,\n * and calculates
the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceOrNull\n
*\n *\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n public inline fun <S, T : S>
Iterable<T>.reduceOrNull(operation: (acc: S, T) -> S): S? {\n    val iterator = this.iterator()\n    if
(iterator.hasNext()) return null\n    var accumulator: S = iterator.next()\n    while (iterator.hasNext()) {\n
accumulator = operation(accumulator, iterator.next())\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value
starting with the last element and applying [operation] from right to left\n * to each element and current accumulator
value.\n * \n * Throws an exception if this list is empty. If the list can be empty in an expected way,\n * please use
[reduceRightOrNull] instead. It returns `null` when its receiver is empty.\n * \n * @param [operation] function that
takes an element and current accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRight\n
*\n *\n public inline fun <S, T : S>
List<T>.reduceRight(operation: (T, acc: S) -> S): S {\n    val iterator = listIterator(size)\n    if
(iterator.hasPrevious())\n        throw UnsupportedOperationException("Empty list can't be reduced.")\n    var
accumulator: S = iterator.previous()\n    while (iterator.hasPrevious()) {\n        accumulator =
operation(iterator.previous(), accumulator)\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting
with the last element and applying [operation] from right to left\n * to each element with its index in the original list
and current accumulator value.\n * \n * Throws an exception if this list is empty. If the list can be empty in an
expected way,\n * please use [reduceRightIndexedOrNull] instead. It returns `null` when its receiver is empty.\n * \n
*\n * @param [operation] function that takes the index of an element, the element itself and current accumulator
value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRight\n
*\n *\n public inline fun <S, T : S>
List<T>.reduceRightIndexed(operation: (index: Int, T, acc: S) -> S): S {\n    val iterator = listIterator(size)\n    if
(iterator.hasPrevious())\n        throw UnsupportedOperationException("Empty list can't be reduced.")\n    var
accumulator: S = iterator.previous()\n    while (iterator.hasPrevious()) {\n        val index = iterator.previousIndex()\n
accumulator = operation(index, iterator.previous(), accumulator)\n    }\n    return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element with
its index in the original list and current accumulator value.\n * \n * Returns `null` if the list is empty.\n * \n *
*\n * @param [operation] function that takes the index of an element, the element itself and current accumulator value,\n
*\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n *\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n public inline fun <S,
T : S> List<T>.reduceRightIndexedOrNull(operation: (index: Int, T, acc: S) -> S): S? {\n    val iterator =
listIterator(size)\n    if (!iterator.hasPrevious())\n        return null\n    var accumulator: S = iterator.previous()\n
while (iterator.hasPrevious()) {\n        val index = iterator.previousIndex()\n        accumulator = operation(index,
iterator.previous(), accumulator)\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the last
element and applying [operation] from right to left\n * to each element and current accumulator value.\n * \n *
Returns `null` if the list is empty.\n * \n * @param [operation] function that takes an element and current
accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n *\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n public inline fun <S, T : S>
List<T>.reduceRightOrNull(operation: (T, acc: S) -> S): S? {\n    val iterator = listIterator(size)\n    if
(iterator.hasPrevious())\n        return null\n    var accumulator: S = iterator.previous()\n    while
(iterator.hasPrevious()) {\n        accumulator = operation(iterator.previous(), accumulator)\n    }\n    return
accumulator\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying
[operation] from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n
*\n

```

\* Note that `acc` value passed to [operation] function should not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.\n \* \n \* @sample samples.collections.Collections.Aggregates.runningFold\n \* \n \* @SinceKotlin("1.4")\n \* \n \* public inline fun <T, R> Iterable<T>.runningFold(initial: R, operation: (acc: R, T) -> R): List<R> {\n \* \n \* val estimatedSize = collectionSizeOrDefault(9)\n \* \n \* if (estimatedSize == 0) return listOf(initial)\n \* \n \* val result = ArrayList<R>(estimatedSize + 1).apply { add(initial) }\n \* \n \* var accumulator = initial\n \* \n \* for (element in this) {\n \* \n \* accumulator = operation(accumulator, element)\n \* \n \* result.add(accumulator)\n \* \n \* }\n \* \n \* return result\n \* \n \* }\n \* \n \* \n \* \n \* \n \* Returns a list containing successive accumulation values generated by applying [operation] from left to right\n \* to each element, its index in the original collection and current accumulator value that starts with [initial] value.\n \* \n \* \n \* \n \* \n \* Note that `acc` value passed to [operation] function should not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* \n \* @param [operation] function that takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next accumulator value.\n \* \n \* \n \* @sample samples.collections.Collections.Aggregates.runningFold\n \* \n \* @SinceKotlin("1.4")\n \* \n \* public inline fun <T, R> Iterable<T>.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, T) -> R): List<R> {\n \* \n \* val estimatedSize = collectionSizeOrDefault(9)\n \* \n \* if (estimatedSize == 0) return listOf(initial)\n \* \n \* val result = ArrayList<R>(estimatedSize + 1).apply { add(initial) }\n \* \n \* var index = 0\n \* \n \* var accumulator = initial\n \* \n \* for (element in this) {\n \* \n \* accumulator = operation(index++, accumulator, element)\n \* \n \* result.add(accumulator)\n \* \n \* }\n \* \n \* return result\n \* \n \* }\n \* \n \* \n \* \n \* Returns a list containing successive accumulation values generated by applying [operation] from left to right\n \* to each element and current accumulator value that starts with the first element of this collection.\n \* \n \* \n \* \n \* \n \* Note that `acc` value passed to [operation] function should not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* \n \* @param [operation] function that takes current accumulator value and the element, and calculates the next accumulator value.\n \* \n \* \n \* @sample samples.collections.Collections.Aggregates.runningReduce\n \* \n \* \n \* @SinceKotlin("1.4")\n \* \n \* @WasExperimental(ExperimentalStdlibApi::class)\n \* \n \* public inline fun <S, T : S> Iterable<T>.runningReduce(operation: (acc: S, T) -> S): List<S> {\n \* \n \* val iterator = this.iterator()\n \* \n \* if (!iterator.hasNext()) return emptyList()\n \* \n \* var accumulator: S = iterator.next()\n \* \n \* val result = ArrayList<S>(collectionSizeOrDefault(10)).apply { add(accumulator) }\n \* \n \* while (iterator.hasNext()) {\n \* \n \* accumulator = operation(accumulator, iterator.next())\n \* \n \* result.add(accumulator)\n \* \n \* }\n \* \n \* return result\n \* \n \* }\n \* \n \* \n \* \n \* Returns a list containing successive accumulation values generated by applying [operation] from left to right\n \* to each element, its index in the original collection and current accumulator value that starts with the first element of this collection.\n \* \n \* \n \* \n \* \n \* Note that `acc` value passed to [operation] function should not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* \n \* @param [operation] function that takes the index of an element, current accumulator value\n \* and the element itself, and calculates the next accumulator value.\n \* \n \* \n \* @sample samples.collections.Collections.Aggregates.runningReduce\n \* \n \* \n \* @SinceKotlin("1.4")\n \* \n \* public inline fun <S, T : S> Iterable<T>.runningReduceIndexed(operation: (index: Int, acc: S, T) -> S): List<S> {\n \* \n \* val iterator = this.iterator()\n \* \n \* if (!iterator.hasNext()) return emptyList()\n \* \n \* var accumulator: S = iterator.next()\n \* \n \* val result = ArrayList<S>(collectionSizeOrDefault(10)).apply { add(accumulator) }\n \* \n \* var index = 1\n \* \n \* while (iterator.hasNext()) {\n \* \n \* accumulator = operation(index++, accumulator, iterator.next())\n \* \n \* result.add(accumulator)\n \* \n \* }\n \* \n \* return result\n \* \n \* }\n \* \n \* \n \* \n \* Returns a list containing successive accumulation values generated by applying [operation] from left to right\n \* to each element and current accumulator value that starts with [initial] value.\n \* \n \* \n \* \n \* \n \* Note that `acc` value passed to [operation] function should not be mutated;\n \* otherwise it would affect the previous value in resulting list.\n \* \n \* \n \* @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.\n \* \n \* \n \* @sample samples.collections.Collections.Aggregates.scan\n \* \n \* \n \* @SinceKotlin("1.4")\n \* \n \* @WasExperimental(ExperimentalStdlibApi::class)\n \* \n \* public inline fun <T, R> Iterable<T>.scan(initial: R, operation: (acc: R, T) -> R): List<R> {\n \* \n \* return runningFold(initial, operation)\n \* \n \* }\n \* \n \* \n \* \n \* Returns a list containing successive accumulation values generated by applying [operation]

from left to right  
\* to each element, its index in the original collection and current accumulator value that starts with [initial] value.  
\* Note that `acc` value passed to [operation] function should not be mutated;  
\* otherwise it would affect the previous value in resulting list.  
\* @param [operation] function that takes the index of an element, current accumulator value  
\* and the element itself, and calculates the next accumulator value.  
\* @sample samples.collections.Collections.Aggregates.scan

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*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun <T, R>\nIterable<T>.scanIndexed(initial: R, operation: (index: Int, acc: R, T) -> R): List<R> {\n    return\n    runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns the sum of all values produced by [selector] function\n    applied to each element in the collection.\n */\n@Deprecated("Use sumOf instead.")\nReplaceWith("this.sumOf(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic inline fun <T>\nIterable<T>.sumBy(selector: (T) -> Int): Int {\n    var sum: Int = 0\n    for (element in this) {\n        sum +=\n        selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function\n    applied to each element in the collection.\n */\n@Deprecated("Use sumOf instead.")\nReplaceWith("this.sumOf(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic inline fun <T>\nIterable<T>.sumByDouble(selector: (T) -> Double): Double {\n    var sum: Double = 0.0\n    for (element in this)\n    {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by\n    [selector] function applied to each element in the collection.\n */\n*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun\n<T> Iterable<T>.sumOf(selector: (T) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element in\n    this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by\n    [selector] function applied to each element in the collection.\n */\n*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun <T>\nIterable<T>.sumOf(selector: (T) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum +=\n        selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function\n    applied to each element in the collection.\n */\n*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfLong")\n@kotlin.internal.InlineOnly\npublic inline fun\n<T> Iterable<T>.sumOf(selector: (T) -> Long): Long {\n    var sum: Long = 0.toLong()\n    for (element in this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector]\n    function applied to each element in the collection.\n */\n*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfUInt")\n@WasExperimental(ExperimentalUnsignedType\ns::class)\n@kotlin.internal.InlineOnly\npublic inline fun <T> Iterable<T>.sumOf(selector: (T) -> UInt): UInt {\n    var sum: UInt = 0.toUInt()\n    for (element in this) {\n        sum += selector(element)\n    }\n    return\n    sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the\n    collection.\n */\n*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedType\ns::class)\n@kotlin.internal.InlineOnly\npublic inline fun <T> Iterable<T>.sumOf(selector: (T) -> ULong): ULong\n{\n    var sum: ULong = 0.toULong()\n    for (element in this) {\n        sum += selector(element)\n    }\n    return\n    sum\n}\n\n/**\n * Returns an original collection containing all the non-`null` elements, throwing an\n    [IllegalArgumentException] if there are any `null` elements.\n */\n*\npublic fun <T : Any>\nIterable<T?>.requireNonNulls(): Iterable<T> {\n    for (element in this) {\n        if (element == null) {\n            throw\n            IllegalArgumentException("null element found in $this.")\n        }\n    }\n}\n\n@Suppress("UNCHECKED_CAST")\nreturn this as Iterable<T>\n}\n\n/**\n * Returns an original collection\n    containing all the non-`null` elements, throwing an [IllegalArgumentException] if there are any `null` elements.\n */
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(element in this) {\n    if (predicate(element)) {\n        first.add(element)\n    } else {\n
second.add(element)\n    }\n } return Pair(first, second)\n}\n\n/**\n * Returns a list containing all elements
of the original collection and then the given [element].\n */\npublic operator fun <T> Iterable<T>.plus(element: T):
List<T> {\n    if (this is Collection) return this.plus(element)\n    val result = ArrayList<T>()\n
result.addAll(this)\n    result.add(element)\n    return result\n}\n\n/**\n * Returns a list containing all elements of the
original collection and then the given [element].\n */\npublic operator fun <T> Collection<T>.plus(element: T):
List<T> {\n    val result = ArrayList<T>(size + 1)\n    result.addAll(this)\n    result.add(element)\n    return
result\n}\n\n/**\n * Returns a list containing all elements of the original collection and then all elements of the given
[elements] array.\n */\npublic operator fun <T> Iterable<T>.plus(elements: Array<out T>): List<T> {\n    if (this is
Collection) return this.plus(elements)\n    val result = ArrayList<T>()\n    result.addAll(this)\n
result.addAll(elements)\n    return result\n}\n\n/**\n * Returns a list containing all elements of the original
collection and then all elements of the given [elements] array.\n */\npublic operator fun <T>
Collection<T>.plus(elements: Array<out T>): List<T> {\n    val result = ArrayList<T>(this.size + elements.size)\n
result.addAll(this)\n    result.addAll(elements)\n    return result\n}\n\n/**\n * Returns a list containing all elements
of the original collection and then all elements of the given [elements] collection.\n */\npublic operator fun <T>
Iterable<T>.plus(elements: Iterable<T>): List<T> {\n    if (this is Collection) return this.plus(elements)\n    val
result = ArrayList<T>()\n    result.addAll(this)\n    result.addAll(elements)\n    return result\n}\n\n/**\n * Returns a
list containing all elements of the original collection and then all elements of the given [elements] collection.\n */
*\npublic operator fun <T> Collection<T>.plus(elements: Iterable<T>): List<T> {\n    if (elements is Collection)
{\n        val result = ArrayList<T>(this.size + elements.size)\n        result.addAll(this)\n
result.addAll(elements)\n        return result\n    } else {\n        val result = ArrayList<T>(this)\n
result.addAll(elements)\n        return result\n    }\n}\n\n/**\n * Returns a list containing all elements of the original
collection and then all elements of the given [elements] sequence.\n */\npublic operator fun <T>
Iterable<T>.plus(elements: Sequence<T>): List<T> {\n    val result = ArrayList<T>()\n    result.addAll(this)\n
result.addAll(elements)\n    return result\n}\n\n/**\n * Returns a list containing all elements of the original
collection and then all elements of the given [elements] sequence.\n */\npublic operator fun <T>
Collection<T>.plus(elements: Sequence<T>): List<T> {\n    val result = ArrayList<T>(this.size + 10)\n
result.addAll(this)\n    result.addAll(elements)\n    return result\n}\n\n/**\n * Returns a list containing all elements
of the original collection and then the given [element].\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T>
Iterable<T>.plusElement(element: T): List<T> {\n    return plus(element)\n}\n\n/**\n * Returns a list containing all
elements of the original collection and then the given [element].\n */\n@kotlin.internal.InlineOnly\npublic inline fun
<T> Collection<T>.plusElement(element: T): List<T> {\n    return plus(element)\n}\n\n/**\n * Returns a list of
snapshots of the window of the given [size]\n * sliding along this collection with the given [step], where each\n *
snapshot is a list.\n * \n * Several last lists may have fewer elements than the given [size].\n * \n * Both [size] and
[step] must be positive and can be greater than the number of elements in this collection.\n * @param size the
number of elements to take in each window\n * @param step the number of elements to move the window forward
by on an each step, by default 1\n * @param partialWindows controls whether or not to keep partial windows in the
end if any,\n * by default `false` which means partial windows won't be preserved\n * \n * @sample
samples.collections.Sequences.Transformations.takeWindows\n */\n@SinceKotlin("1.2")\npublic fun <T>
Iterable<T>.windowed(size: Int, step: Int = 1, partialWindows: Boolean = false): List<List<T>> {\n
checkWindowSizeStep(size, step)\n    if (this is RandomAccess && this is List) {\n        val thisSize = this.size\n
val resultCapacity = thisSize / step + if (thisSize % step == 0) 0 else 1\n        val result =
ArrayList<List<T>>(resultCapacity)\n        var index = 0\n        while (index in 0 until thisSize) {\n            val
windowSize = size.coerceAtMost(thisSize - index)\n            if (windowSize < size && !partialWindows) break\n
            result.add(List(windowSize) { this[it + index] })\n            index += step\n        }\n        return result\n    }\n    val
result = ArrayList<List<T>>()\n    windowedIterator(iterator(), size, step, partialWindows, reuseBuffer =
false).forEach {\n        result.add(it)\n    }\n    return result\n}\n\n/**\n * Returns a list of results of applying the
given [transform] function to\n * an each list representing a view over the window of the given [size]\n * sliding

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along this collection with the given [step].\n \* \n \* Note that the list passed to the [transform] function is ephemeral and is valid only inside that function.\n \* You should not store it or allow it to escape in some way, unless you made a snapshot of it.\n \* Several last lists may have fewer elements than the given [size].\n \* \n \* Both [size] and [step] must be positive and can be greater than the number of elements in this collection.\n \* @param size the number of elements to take in each window\n \* @param step the number of elements to move the window forward by on an each step, by default 1\n \* @param partialWindows controls whether or not to keep partial windows in the end if any,\n \* by default `false` which means partial windows won't be preserved\n \* \n \* @sample samples.collections.Sequences.Transformations.averageWindows\n \* \n \* @SinceKotlin("1.2")\n \* \n \* public fun <T, R> Iterable<T>.windowed(size: Int, step: Int = 1, partialWindows: Boolean = false, transform: (List<T>) -> R): List<R> {\n \* \n \* checkWindowSizeStep(size, step)\n \* \n \* if (this is RandomAccess && this is List) {\n \* \n \* val thisSize = this.size\n \* \n \* val resultCapacity = thisSize / step + if (thisSize % step == 0) 0 else 1\n \* \n \* val result = ArrayList<R>(resultCapacity)\n \* \n \* val window = MovingSubList(this)\n \* \n \* var index = 0\n \* \n \* while (index in 0 until thisSize) {\n \* \n \* val windowSize = size.coerceAtMost(thisSize - index)\n \* \n \* if (!partialWindows && windowSize < size) break\n \* \n \* window.move(index, index + windowSize)\n \* \n \* result.add(transform(window))\n \* \n \* index += step\n \* \n \* }\n \* \n \* return result\n \* \n \* }\n \* \n \* val result = ArrayList<R>()\n \* \n \* windowedIterator(iterator(), size, step, partialWindows, reuseBuffer = true).forEach {\n \* \n \* result.add(transform(it))\n \* \n \* }\n \* \n \* return result\n \* \n \* }\n \* \n \* \n \* \n \* \n \* Returns a list of pairs built from the elements of `this` collection and the [other] array with the same index.\n \* \n \* The returned list has length of the shortest collection.\n \* \n \* \n \* \n \* @sample samples.collections.Iterables.Operations.zipIterable\n \* \n \* \n \* public infix fun <T, R> Iterable<T>.zip(other: Array<out R>): List<Pair<T, R>> {\n \* \n \* return zip(other) { t1, t2 -> t1 to t2 }\n \* \n \* }\n \* \n \* \n \* \n \* Returns a list of values built from the elements of `this` collection and the [other] array with the same index\n \* \n \* using the provided [transform] function applied to each pair of elements.\n \* \n \* The returned list has length of the shortest collection.\n \* \n \* \n \* \n \* @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n \* \n \* \n \* public inline fun <T, R, V> Iterable<T>.zip(other: Array<out R>, transform: (a: T, b: R) -> V): List<V> {\n \* \n \* val arraySize = other.size\n \* \n \* val list = ArrayList<V>(minOf(collectionSizeOrDefault(10), arraySize))\n \* \n \* var i = 0\n \* \n \* for (element in this) {\n \* \n \* if (i >= arraySize) break\n \* \n \* list.add(transform(element, other[i++]))\n \* \n \* }\n \* \n \* return list\n \* \n \* }\n \* \n \* \n \* \n \* Returns a list of pairs built from the elements of `this` collection and [other] collection with the same index.\n \* \n \* The returned list has length of the shortest collection.\n \* \n \* \n \* \n \* @sample samples.collections.Iterables.Operations.zipIterable\n \* \n \* \n \* \n \* public infix fun <T, R> Iterable<T>.zip(other: Iterable<R>): List<Pair<T, R>> {\n \* \n \* return zip(other) { t1, t2 -> t1 to t2 }\n \* \n \* }\n \* \n \* \n \* \n \* Returns a list of values built from the elements of `this` collection and the [other] collection with the same index\n \* \n \* using the provided [transform] function applied to each pair of elements.\n \* \n \* The returned list has length of the shortest collection.\n \* \n \* \n \* \n \* @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n \* \n \* \n \* \n \* public inline fun <T, R, V> Iterable<T>.zip(other: Iterable<R>, transform: (a: T, b: R) -> V): List<V> {\n \* \n \* val first = iterator()\n \* \n \* val second = other.iterator()\n \* \n \* val list = ArrayList<V>(minOf(collectionSizeOrDefault(10), other.collectionSizeOrDefault(10)))\n \* \n \* while (first.hasNext() && second.hasNext()) {\n \* \n \* list.add(transform(first.next(), second.next()))\n \* \n \* }\n \* \n \* return list\n \* \n \* }\n \* \n \* \n \* \n \* Returns a list of pairs of each two adjacent elements in this collection.\n \* \n \* \n \* The returned list is empty if this collection contains less than two elements.\n \* \n \* \n \* \n \* @sample samples.collections.Collections.Transformations.zipWithNext\n \* \n \* \n \* \n \* \n \* @SinceKotlin("1.2")\n \* \n \* \n \* public fun <T> Iterable<T>.zipWithNext(): List<Pair<T, T>> {\n \* \n \* return zipWithNext { a, b -> a to b }\n \* \n \* }\n \* \n \* \n \* \n \* Returns a list containing the results of applying the given [transform] function\n \* \n \* to an each pair of two adjacent elements in this collection.\n \* \n \* \n \* The returned list is empty if this collection contains less than two elements.\n \* \n \* \n \* \n \* @sample samples.collections.Collections.Transformations.zipWithNextToFindDeltas\n \* \n \* \n \* \n \* @SinceKotlin("1.2")\n \* \n \* \n \* public inline fun <T, R> Iterable<T>.zipWithNext(transform: (a: T, b: T) -> R): List<R> {\n \* \n \* val iterator = iterator()\n \* \n \* if (!iterator.hasNext()) return emptyList()\n \* \n \* val result = mutableListOf<R>()\n \* \n \* var current = iterator.next()\n \* \n \* while (iterator.hasNext()) {\n \* \n \* val next = iterator.next()\n \* \n \* result.add(transform(current, next))\n \* \n \* current = next\n \* \n \* }\n \* \n \* return result\n \* \n \* }\n \* \n \* \n \* \n \* Appends the string from all the elements separated using [separator] and

using the given [prefix] and [postfix] if supplied.

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    * If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").
    * @sample
    samples.collections.Collections.Transformations.joinTo
    */
public fun <T, A : Appendable>
Iterable<T>.joinTo(buffer: A, separator: CharSequence = '\', '\', prefix: CharSequence = \"\", postfix: CharSequence = \"\", limit: Int = -1, truncated: CharSequence = \"...\", transform: ((T) -> CharSequence)? = null): A {
    buffer.append(prefix)
    var count = 0
    for (element in this) {
        if (++count > 1) buffer.append(separator)
        if (limit < 0 || count <= limit) {
            buffer.appendElement(element, transform)
        } else break
    }
    if (limit >= 0 && count > limit) buffer.append(truncated)
    buffer.append(postfix)
    return buffer
}

```

Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.

```

    * If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").
    * @sample
    samples.collections.Collections.Transformations.joinToString
    */
public fun <T>
Iterable<T>.joinToString(separator: CharSequence = '\', '\', prefix: CharSequence = \"\", postfix: CharSequence = \"\", limit: Int = -1, truncated: CharSequence = \"...\", transform: ((T) -> CharSequence)? = null): String {
    return
    joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()
}

```

Returns this collection as an [Iterable].

```

    */
@kotlin.internal.InlineOnly
public inline fun <T> Iterable<T>.asIterable():
Iterable<T> {
    return this
}

```

Creates a [Sequence] instance that wraps the original collection returning its elements when being iterated.

```

    * @sample
    samples.collections.Sequences.Building.sequenceFromCollection
    */
public fun <T> Iterable<T>.asSequence():
Sequence<T> {
    return Sequence { this.iterator() }
}

```

Returns an average value of elements in the collection.

```

    */
@kotlin.jvm.JvmName("averageOfByte")
public fun Iterable<Byte>.average(): Double {
    var sum: Double = 0.0
    var count: Int = 0
    for (element in this) {
        sum += element
        checkCountOverflow(++count)
    }
    return if (count == 0) Double.NaN else sum / count
}

```

Returns an average value of elements in the collection.

```

    */
@kotlin.jvm.JvmName("averageOfShort")
public fun
Iterable<Short>.average(): Double {
    var sum: Double = 0.0
    var count: Int = 0
    for (element in this) {
        sum += element
        checkCountOverflow(++count)
    }
    return if (count == 0) Double.NaN else sum /
count
}

```

Returns an average value of elements in the collection.

```

    */
@kotlin.jvm.JvmName("averageOfInt")
public fun Iterable<Int>.average(): Double {
    var sum: Double = 0.0
    var count: Int = 0
    for (element in this) {
        sum += element
        checkCountOverflow(++count)
    }
    return if (count == 0) Double.NaN else sum / count
}

```

Returns an average value of elements in the collection.

```

    */
@kotlin.jvm.JvmName("averageOfLong")
public fun Iterable<Long>.average(): Double {
    var sum: Double = 0.0
    var count: Int = 0
    for (element in this) {
        sum += element
        checkCountOverflow(++count)
    }
    return if (count == 0) Double.NaN else sum / count
}

```

Returns an average value of elements in the collection.

```

    */
@kotlin.jvm.JvmName("averageOfFloat")
public fun
Iterable<Float>.average(): Double {
    var sum: Double = 0.0
    var count: Int = 0
    for (element in this) {
        sum += element
        checkCountOverflow(++count)
    }
    return if (count == 0) Double.NaN else sum /
count
}

```

Returns an average value of elements in the collection.

```

    */
@kotlin.jvm.JvmName("averageOfDouble")
public fun Iterable<Double>.average(): Double {
    var sum:
Double = 0.0
    var count: Int = 0
    for (element in this) {
        sum += element
        checkCountOverflow(++count)
    }
    return if (count == 0) Double.NaN else sum / count
}

```

Returns the sum of all elements in the collection.

```

    */
@kotlin.jvm.JvmName("sumOfByte")
public fun
Iterable<Byte>.sum(): Int {
    var sum: Int = 0
    for (element in this) {
        sum += element
    }
    return
sum
}

```

Returns the sum of all elements in the collection.

```

    */
@kotlin.jvm.JvmName("sumOfShort")
public fun Iterable<Short>.sum(): Int {
    var sum: Int = 0
    for
(element in this) {
        sum += element
    }
    return
sum
}

```

Returns the sum of all elements in the collection.

```

    */
@kotlin.jvm.JvmName("sumOfInt")
public fun Iterable<Int>.sum(): Int {
    var sum: Int = 0
    for
(element in this) {
        sum += element
    }
    return
sum
}

```

Returns the sum of all elements in



```

Map<K, V> {
    return LinkedHashMap<K, V>(capacity).apply(builderAction).build()
}

/**
 * Fills the list with the provided [value].
 * Each element in the list gets replaced with the [value].
 */
@SinceKotlin("1.2")
public actual fun <T> MutableList<T>.fill(value: T): Unit {
    for (index in 0..lastIndex) {
        this[index] = value
    }
}

/**
 * Randomly shuffles elements in this list.
 * See: https://en.wikipedia.org/wiki/Fisher%20%80%93Yates_shuffle#The_modern_algorithm
 */
@SinceKotlin("1.2")
public actual fun <T> MutableList<T>.shuffle(): Unit = shuffle(Random)

/**
 * Returns a new list with the elements of this list randomly shuffled.
 */
@SinceKotlin("1.2")
public actual fun <T> Iterable<T>.shuffled(): List<T> = toMutableList().apply { shuffle() }

/**
 * Sorts elements in the list in-place according to their natural sort order.
 * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.
 * @sample samples.collections.Collections.Sorting.sortMutableList
 */
public actual fun <T : Comparable<T>> MutableList<T>.sort(): Unit {
    collectionsSort(this, naturalOrder())
}

/**
 * Sorts elements in the list in-place according to the order specified with [comparator].
 * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.
 * @sample samples.collections.Collections.Sorting.sortMutableListWith
 */
public actual fun <T> MutableList<T>.sortWith(comparator: Comparator<in T>): Unit {
    collectionsSort(this, comparator)
}

private fun <T> collectionsSort(list: MutableList<T>, comparator: Comparator<in T>) {
    if (list.size <= 1) return
    val array = copyToArray(list)
    sortArrayWith(array, comparator)
    for (i in 0 until array.size) {
        list[i] = array[i]
    }
}

internal actual fun <T> arrayOfNulls(reference: Array<T>, size: Int): Array<T> {
    return arrayOfNulls<Any>(size).unsafeCast<Array<T>>()
}

@SinceKotlin("1.3")
@PublishedApi
@JsName("arrayCopy")
internal fun <T> arrayCopy(source: Array<out T>, destination: Array<in T>, destinationOffset: Int, startIndex: Int, endIndex: Int) {
    AbstractList.checkRangeIndexes(startIndex, endIndex, source.size)
    val rangeSize = endIndex - startIndex
    AbstractList.checkRangeIndexes(destinationOffset, destinationOffset + rangeSize, destination.size)
    if (js("ArrayBuffer").isView(destination) && js("ArrayBuffer").isView(source)) {
        val subrange = source.asDynamic().subarray(startIndex, endIndex)
        destination.asDynamic().set(subrange, destinationOffset)
    } else {
        if (source !== destination || destinationOffset <= startIndex) {
            for (index in 0 until rangeSize) {
                destination[destinationOffset + index] = source[startIndex + index]
            }
        } else {
            for (index in rangeSize - 1 downTo 0) {
                destination[destinationOffset + index] = source[startIndex + index]
            }
        }
    }
}

// no singleton map implementation in js, return map as is
@Suppress("NOTHING_TO_INLINE")
internal actual inline fun <K, V> Map<K, V>.toSingletonMapOrSelf(): Map<K, V> = this

@Suppress("NOTHING_TO_INLINE")
internal actual inline fun <K, V> Map<out K, V>.toSingletonMap(): Map<K, V> = this.toMutableMap()

@Suppress("NOTHING_TO_INLINE")
internal actual inline fun <T> Array<out T>.copyToArrayOfAny(isVarargs: Boolean): Array<out Any?> =
    if (isVarargs) // no need to copy vararg array in JS
        this
    else
        this.copyOf()

@PublishedApi
internal actual fun checkIndexOverflow(index: Int): Int {
    if (index < 0) throw IndexOverflow()
    return index
}

@PublishedApi
internal actual fun checkCountOverflow(count: Int): Int {
    if (count < 0) throw CountOverflow()
    return count
}

/**
 * JS map and set implementations do not make use of capacities or load factors.
 */
@PublishedApi
internal actual fun mapCapacity(expectedSize: Int) = expectedSize

/**
 * Checks a collection builder function capacity argument.
 * In JS no validation is made in Map/Set constructor yet.
 */
@SinceKotlin("1.3")
@PublishedApi
internal fun checkBuilderCapacity(capacity: Int) {
    require(capacity >= 0) { "capacity must be non-negative." }
}

internal actual fun brittleContainsOptimizationEnabled(): Boolean = false

/**
 * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.
 * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
 */
@file:kotlin.jvm.JvmMultifileClass
@file:kotlin.jvm.JvmName("CollectionsKt")
package kotlin.collections

/**
 * Returns the given iterator itself. This allows to use an instance of iterator in a `for`
 */

```

```

loop.\n * @sample samples.collections.Iterators.iterator\n */\n@kotlin.internal.InlineOnly\npublic inline operator
fun <T> Iterator<T>.iterator(): Iterator<T> = this\n\n/**\n * Returns an [Iterator] that wraps each element produced
by the original iterator\n * into an [IndexedValue] containing the index of that element and the element itself.\n */\n
* @sample samples.collections.Iterators.withIndexIterator\n */\npublic fun <T> Iterator<T>.withIndex():
Iterator<IndexedValue<T>> = IndexingIterator(this)\n\n/**\n * Performs the given [operation] on each element of
this [Iterator].\n * @sample samples.collections.Iterators.forEachIterator\n */\npublic inline fun <T>
Iterator<T>.forEach(operation: (T) -> Unit): Unit {\n    for (element in this) operation(element)\n}\n\n/**\n *
Iterator transforming original `iterator` into iterator of [IndexedValue], counting index from zero.\n */\n\ninternal class
IndexingIterator<out T>(private val iterator: Iterator<T>) : Iterator<IndexedValue<T>> {\n    private var index =
0\n    final override fun hasNext(): Boolean = iterator.hasNext()\n    final override fun next(): IndexedValue<T> =
IndexedValue(checkIndexOverflow(index++), iterator.next())\n}\n"/*\n * Copyright 2010-2021 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("ComparisonsKt")\n\npackage
kotlin.comparisons\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\n/\n\nimport kotlin.random.*\n\n/**\n * Returns the
greater of two values.\n * \n * If values are equal, returns the first one.\n */\n@SinceKotlin("1.1")\npublic expect
fun <T : Comparable<T>> maxOf(a: T, b: T): T\n\n/**\n * Returns the greater of two values.\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Byte, b: Byte):
Byte\n\n/**\n * Returns the greater of two values.\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic
expect inline fun maxOf(a: Short, b: Short): Short\n\n/**\n * Returns the greater of two values.\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Int, b: Int): Int\n\n/**\n
* Returns the greater of two values.\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline
fun maxOf(a: Long, b: Long): Long\n\n/**\n * Returns the greater of two values.\n * \n * If either value is `NaN`,
returns `NaN`.\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Float,
b: Float): Float\n\n/**\n * Returns the greater of two values.\n * \n * If either value is `NaN`, returns `NaN`.\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Double, b: Double):
Double\n\n/**\n * Returns the greater of three values.\n * \n * If there are multiple equal maximal values, returns the
first of them.\n */\n@SinceKotlin("1.1")\npublic expect fun <T : Comparable<T>> maxOf(a: T, b: T, c: T):
T\n\n/**\n * Returns the greater of three values.\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic
expect inline fun maxOf(a: Byte, b: Byte, c: Byte): Byte\n\n/**\n * Returns the greater of three values.\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Short, b: Short, c:
Short): Short\n\n/**\n * Returns the greater of three values.\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Int, b: Int, c: Int):
Int\n\n/**\n * Returns the greater of three values.\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic
expect inline fun maxOf(a: Long, b: Long, c: Long): Long\n\n/**\n * Returns the greater of three values.\n * \n * If
any value is `NaN`, returns `NaN`.\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline
fun maxOf(a: Float, b: Float, c: Float): Float\n\n/**\n * Returns the greater of three values.\n * \n * If any value is
`NaN`, returns `NaN`.\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a:
Double, b: Double, c: Double): Double\n\n/**\n * Returns the greater of three values according to the order
specified by the given [comparator].\n * \n * If there are multiple equal maximal values, returns the first of them.\n
*/\n@SinceKotlin("1.1")\npublic fun <T> maxOf(a: T, b: T, c: T, comparator: Comparator<in T>): T {\n    return
maxOf(a, maxOf(b, c, comparator), comparator)\n}\n\n/**\n * Returns the greater of two values according to the
order specified by the given [comparator].\n * \n * If values are equal, returns the first one.\n
*/\n@SinceKotlin("1.1")\npublic fun <T> maxOf(a: T, b: T, comparator: Comparator<in T>): T {\n    return if
(comparator.compare(a, b) >= 0) a else b\n}\n\n/**\n * Returns the greater of the given values.\n * \n * If there are
multiple equal maximal values, returns the first of them.\n */\n@SinceKotlin("1.4")\npublic expect fun <T :
Comparable<T>> maxOf(a: T, vararg other: T): T\n\n/**\n * Returns the greater of the given values.\n
*/\n

```

`*\n@SinceKotlin("1.4")\npublic expect fun maxOf(a: Byte, vararg other: Byte): Byte\n\n**\n * Returns the greater of the given values.\n *\n@SinceKotlin("1.4")\npublic expect fun maxOf(a: Short, vararg other: Short): Short\n\n**\n * Returns the greater of the given values.\n *\n@SinceKotlin("1.4")\npublic expect fun maxOf(a: Int, vararg other: Int): Int\n\n**\n * Returns the greater of the given values.\n *\n@SinceKotlin("1.4")\npublic expect fun maxOf(a: Long, vararg other: Long): Long\n\n**\n * Returns the greater of the given values.\n * \n * If any value is `NaN`, returns `NaN`.\n *\n@SinceKotlin("1.4")\npublic expect fun maxOf(a: Float, vararg other: Float): Float\n\n**\n * Returns the greater of the given values.\n * \n * If any value is `NaN`, returns `NaN`.\n *\n@SinceKotlin("1.4")\npublic expect fun maxOf(a: Double, vararg other: Double): Double\n\n**\n * Returns the greater of the given values according to the order specified by the given [comparator].\n * \n * If there are multiple equal maximal values, returns the first of them.\n *\n@SinceKotlin("1.4")\npublic fun <T> maxOf(a: T, vararg other: T, comparator: Comparator<in T>): T {\n var max = a\n for (e in other) if (comparator.compare(max, e) < 0) max = e\n return max\n}\n\n**\n * Returns the smaller of two values.\n * \n * If values are equal, returns the first one.\n *\n@SinceKotlin("1.1")\npublic expect fun <T : Comparable<T>> minOf(a: T, b: T): T\n\n**\n * Returns the smaller of two values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Byte, b: Byte): Byte\n\n**\n * Returns the smaller of two values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Short, b: Short): Short\n\n**\n * Returns the smaller of two values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Int, b: Int): Int\n\n**\n * Returns the smaller of two values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Long, b: Long): Long\n\n**\n * Returns the smaller of two values.\n * \n * If either value is `NaN`, returns `NaN`.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Float, b: Float): Float\n\n**\n * Returns the smaller of two values.\n * \n * If either value is `NaN`, returns `NaN`.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Double, b: Double): Double\n\n**\n * Returns the smaller of three values.\n * \n * If there are multiple equal minimal values, returns the first of them.\n *\n@SinceKotlin("1.1")\npublic expect fun <T : Comparable<T>> minOf(a: T, b: T, c: T): T\n\n**\n * Returns the smaller of three values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Byte, b: Byte, c: Byte): Byte\n\n**\n * Returns the smaller of three values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Short, b: Short, c: Short): Short\n\n**\n * Returns the smaller of three values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Int, b: Int, c: Int): Int\n\n**\n * Returns the smaller of three values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Long, b: Long, c: Long): Long\n\n**\n * Returns the smaller of three values.\n * \n * If any value is `NaN`, returns `NaN`.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Float, b: Float, c: Float): Float\n\n**\n * Returns the smaller of three values.\n * \n * If any value is `NaN`, returns `NaN`.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Double, b: Double, c: Double): Double\n\n**\n * Returns the smaller of three values according to the order specified by the given [comparator].\n * \n * If there are multiple equal minimal values, returns the first of them.\n *\n@SinceKotlin("1.1")\npublic fun <T> minOf(a: T, b: T, c: T, comparator: Comparator<in T>): T {\n return minOf(a, minOf(b, c, comparator), comparator)\n}\n\n**\n * Returns the smaller of two values according to the order specified by the given [comparator].\n * \n * If values are equal, returns the first one.\n *\n@SinceKotlin("1.1")\npublic fun <T> minOf(a: T, b: T, comparator: Comparator<in T>): T {\n return if (comparator.compare(a, b) <= 0) a else b\n}\n\n**\n * Returns the smaller of the given values.\n * \n * If there are multiple equal minimal values, returns the first of them.\n *\n@SinceKotlin("1.4")\npublic expect fun <T : Comparable<T>> minOf(a: T, vararg other: T): T\n\n**\n * Returns the smaller of the given values.\n *\n@SinceKotlin("1.4")\npublic expect fun minOf(a: Byte, vararg other: Byte): Byte\n\n**\n * Returns the smaller of the given values.\n *\n@SinceKotlin("1.4")\npublic expect fun minOf(a: Short, vararg other: Short): Short\n\n**\n * Returns the smaller of the given values.\n *\n@SinceKotlin("1.4")\npublic expect fun minOf(a:`

```

Int, vararg other: Int): Int\n\n/**\n * Returns the smaller of the given values.\n */\n@SinceKotlin("1.4")\npublic expect fun minOf(a: Long, vararg other: Long): Long\n\n/**\n * Returns the smaller of the given values.\n */\n * \n * If any value is `NaN`, returns `NaN`.\n */\n@SinceKotlin("1.4")\npublic expect fun minOf(a: Float, vararg other: Float): Float\n\n/**\n * Returns the smaller of the given values.\n */\n * \n * If any value is `NaN`, returns `NaN`.\n */\n@SinceKotlin("1.4")\npublic expect fun minOf(a: Double, vararg other: Double): Double\n\n/**\n * Returns the smaller of the given values according to the order specified by the given [comparator].\n */\n * \n * If there are multiple equal minimal values, returns the first of them.\n */\n@SinceKotlin("1.4")\npublic fun <T> minOf(a: T, vararg other: T, comparator: Comparator<in T>): T {\n    var min = a\n    for (e in other) if (comparator.compare(min, e) > 0) min = e\n    return min\n}\n\n"/**\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("MapsKt")\n\npackage kotlin.collections\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See: https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\nimport kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Returns the first non-null value produced by [transform] function being applied to entries of this map in iteration order,\n * or throws [NoSuchElementException] if no non-null value was produced.\n */\n * \n * @sample samples.collections.Collections.Transformations.firstNotNullOf\n */\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R : Any> Map<out K, V>.firstNotNullOf(transform: (Map.Entry<K, V>) -> R?): R {\n    return firstNotNullOfOrNull(transform) ?: throw NoSuchElementException("No element of the map was transformed to a non-null value.")\n}\n\n/**\n * Returns the first non-null value produced by [transform] function being applied to entries of this map in iteration order,\n * or `null` if no non-null value was produced.\n */\n * \n * @sample samples.collections.Collections.Transformations.firstNotNullOf\n */\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R : Any> Map<out K, V>.firstNotNullOfOrNull(transform: (Map.Entry<K, V>) -> R?): R? {\n    for (element in this) {\n        val result = transform(element)\n        if (result != null) {\n            return result\n        }\n    }\n    return null\n}\n\n/**\n * Returns a [List] containing all key-value pairs.\n */\n\npublic fun <K, V> Map<out K, V>.toList(): List<Pair<K, V>> {\n    if (size == 0)\n        return emptyList()\n    val iterator = entries.iterator()\n    if (!iterator.hasNext())\n        return emptyList()\n    val first = iterator.next()\n    if (!iterator.hasNext())\n        return listOf(first.toPair())\n    val result = ArrayList<Pair<K, V>>(size)\n    result.add(first.toPair())\n    do {\n        result.add(iterator.next().toPair())\n    } while (iterator.hasNext())\n    return result\n}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being invoked on each entry of original map.\n */\n * \n * @sample samples.collections.Collections.Transformations.flatMap\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapSequence")\npublic inline fun <K, V, R> Map<out K, V>.flatMap(transform: (Map.Entry<K, V>) -> Sequence<R>): List<R> {\n    return flatMapTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being invoked on each entry of original map.\n */\n * \n * @sample samples.collections.Collections.Transformations.flatMap\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapSequenceTo")\npublic inline fun <K, V, R, C : MutableCollection<in R>> Map<out K, V>.flatMapTo(destination: C, transform: (Map.Entry<K, V>) -> Iterable<R>): C {\n    for (element in this) {\n        val list = transform(element)\n        destination.addAll(list)\n    }\n    return destination\n}\n\n/**\n * Appends all elements yielded from results of [transform] function being invoked on each entry of original map, to the given [destination].\n */\n\npublic inline fun <K, V, R, C : MutableCollection<in R>> Map<out K, V>.flatMapTo(destination: C, transform: (Map.Entry<K, V>) -> Iterable<R>): C {\n    for (element in this) {\n        val list = transform(element)\n        destination.addAll(list)\n    }\n    return destination\n}\n\n/**\n * Appends all elements yielded from results of [transform] function being invoked on each entry of original map, to the given [destination].\n */\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@kotlin.jvm.JvmName("flatMapSequenceTo")\npublic inline fun <K, V, R, C :

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MutableCollection<in R>> Map<out K, V>.flatMapTo(destination: C, transform: (Map.Entry<K, V>) ->
Sequence<R>): C { \n for (element in this) { \n val list = transform(element)\n destination.addAll(list)\n
}\n return destination\n}\n\n/**\n * Returns a list containing the results of applying the given [transform]
function\n * to each entry in the original map.\n * \n * @sample
samples.collections.Maps.Transformations.mapToList\n * \npublic inline fun <K, V, R> Map<out K,
V>.map(transform: (Map.Entry<K, V>) -> R): List<R> { \n return mapTo(ArrayList<R>(size),
transform)\n}\n\n/**\n * Returns a list containing only the non-null results of applying the given [transform]
function\n * to each entry in the original map.\n * \n * @sample
samples.collections.Maps.Transformations.mapNotNull\n * \npublic inline fun <K, V, R : Any> Map<out K,
V>.mapNotNull(transform: (Map.Entry<K, V>) -> R?): List<R> { \n return mapNotNullTo(ArrayList<R>(),
transform)\n}\n\n/**\n * Applies the given [transform] function to each entry in the original map\n * and appends
only the non-null results to the given [destination].\n * \npublic inline fun <K, V, R : Any, C : MutableCollection<in
R>> Map<out K, V>.mapNotNullTo(destination: C, transform: (Map.Entry<K, V>) -> R?): C { \n forEach {
element -> transform(element)?.let { destination.add(it) } }\n return destination\n}\n\n/**\n * Applies the given
[transform] function to each entry of the original map\n * and appends the results to the given [destination].\n
*\npublic inline fun <K, V, R, C : MutableCollection<in R>> Map<out K, V>.mapTo(destination: C, transform:
(Map.Entry<K, V>) -> R): C { \n for (item in this)\n destination.add(transform(item))\n return
destination\n}\n\n/**\n * Returns `true` if all entries match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.all\n * \npublic inline fun <K, V> Map<out K, V>.all(predicate:
(Map.Entry<K, V>) -> Boolean): Boolean { \n if (isEmpty()) return true\n for (element in this) if
(!predicate(element)) return false\n return true\n}\n\n/**\n * Returns `true` if map has at least one entry.\n * \n *
@sample samples.collections.Collections.Aggregates.any\n * \npublic fun <K, V> Map<out K, V>.any(): Boolean
{ \n return !isEmpty()\n}\n\n/**\n * Returns `true` if at least one entry matches the given [predicate].\n * \n *
@sample samples.collections.Collections.Aggregates.anyWithPredicate\n * \npublic inline fun <K, V> Map<out K,
V>.any(predicate: (Map.Entry<K, V>) -> Boolean): Boolean { \n if (isEmpty()) return false\n for (element in
this) if (predicate(element)) return true\n return false\n}\n\n/**\n * Returns the number of entries in this map.\n
*\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K, V>.count(): Int { \n return size\n}\n\n/**\n
* Returns the number of entries matching the given [predicate].\n * \npublic inline fun <K, V> Map<out K,
V>.count(predicate: (Map.Entry<K, V>) -> Boolean): Int { \n if (isEmpty()) return 0\n var count = 0\n for
(element in this) if (predicate(element)) ++count\n return count\n}\n\n/**\n * Performs the given [action] on each
entry.\n * \n@kotlin.internal.HidesMembers\npublic inline fun <K, V> Map<out K, V>.forEach(action:
(Map.Entry<K, V>) -> Unit): Unit { \n for (element in this) action(element)\n}\n\n@Deprecated("Use
maxByOrNull instead.", ReplaceWith("this.maxByOrNull(selector)"))\n@DeprecatedSinceKotlin(warningSince =
"1.4", errorSince = "1.5", hiddenSince = "1.6")\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R :
Comparable<R>> Map<out K, V>.maxBy(selector: (Map.Entry<K, V>) -> R): Map.Entry<K, V>? { \n return
maxByOrNull(selector)\n}\n\n/**\n * Returns the first entry yielding the largest value of the given function or `null`
if there are no entries.\n * \n * @sample samples.collections.Collections.Aggregates.maxByOrNull\n
*\n@kotlin.internal.InlineOnly\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R : Comparable<R>> Map<out
K, V>.maxByOrNull(selector: (Map.Entry<K, V>) -> R): Map.Entry<K, V>? { \n return
entries.maxByOrNull(selector)\n}\n\n/**\n * Returns the largest value among all values produced by [selector]
function\n * applied to each entry in the map.\n * \n * If any of values produced by [selector] function is `NaN`, the
returned result is `NaN`.\n * \n * @throws NoSuchElementException if the map is empty.\n
*\n@kotlin.internal.InlineOnly\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K, V>.maxOf(selector:
(Map.Entry<K, V>) -> Double): Double { \n return entries.maxOf(selector)\n}\n\n/**\n * Returns the largest value
among all values produced by [selector] function\n * applied to each entry in the map.\n * \n * If any of values
produced by [selector] function is `NaN`, the returned result is `NaN`.\n * \n * @throws NoSuchElementException
if the map is empty.\n

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K, V>.maxOf(selector:
(Map.Entry<K, V>) -> Float): Float {\n    return entries.maxOf(selector)\n}\n\n/**\n * Returns the largest value
among all values produced by [selector] function\n * applied to each entry in the map.\n * \n * @throws
NoSuchElementException if the map is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R : Comparable<R>> Map<out K,
V>.maxOf(selector: (Map.Entry<K, V>) -> R): R {\n    return entries.maxOf(selector)\n}\n\n/**\n * Returns the
largest value among all values produced by [selector] function\n * applied to each entry in the map or `null` if there
are no entries.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K,
V>.maxOfOrNull(selector: (Map.Entry<K, V>) -> Double): Double? {\n    return
entries.maxOfOrNull(selector)\n}\n\n/**\n * Returns the largest value among all values produced by [selector]
function\n * applied to each entry in the map or `null` if there are no entries.\n * \n * If any of values produced by
[selector] function is `NaN`, the returned result is `NaN`.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K,
V>.maxOfOrNull(selector: (Map.Entry<K, V>) -> Float): Float? {\n    return
entries.maxOfOrNull(selector)\n}\n\n/**\n * Returns the largest value among all values produced by [selector]
function\n * applied to each entry in the map or `null` if there are no entries.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R : Comparable<R>> Map<out K,
V>.maxOfOrNull(selector: (Map.Entry<K, V>) -> R): R? {\n    return entries.maxOfOrNull(selector)\n}\n\n/**\n *
Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each entry in the map.\n * \n * @throws NoSuchElementException if the map is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R> Map<out K,
V>.maxOfWith(comparator: Comparator<in R>, selector: (Map.Entry<K, V>) -> R): R {\n    return
entries.maxOfWith(comparator, selector)\n}\n\n/**\n * Returns the largest value according to the provided
[comparator]\n * among all values produced by [selector] function applied to each entry in the map or `null` if there
are no entries.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R> Map<out K,
V>.maxOfWithOrNull(comparator: Comparator<in R>, selector: (Map.Entry<K, V>) -> R): R? {\n    return
entries.maxOfWithOrNull(comparator, selector)\n}\n\n@Deprecated("Use maxWithOrNull instead.",
ReplaceWith("this.maxWithOrNull(comparator)"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K,
V>.maxWith(comparator: Comparator<in Map.Entry<K, V>>): Map.Entry<K, V>? {\n    return
maxWithOrNull(comparator)\n}\n\n/**\n * Returns the first entry having the largest value according to the provided
[comparator] or `null` if there are no entries.\n
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic
inline fun <K, V> Map<out K, V>.maxWithOrNull(comparator: Comparator<in Map.Entry<K, V>>):
Map.Entry<K, V>? {\n    return entries.maxWithOrNull(comparator)\n}\n\n@Deprecated("Use minByOrNull
instead.", ReplaceWith("this.minByOrNull(selector)"))\n@DeprecatedSinceKotlin(warningSince = "1.4",
errorSince = "1.5", hiddenSince = "1.6")\npublic inline fun <K, V, R : Comparable<R>> Map<out K,
V>.minBy(selector: (Map.Entry<K, V>) -> R): Map.Entry<K, V>? {\n    return minByOrNull(selector)\n}\n\n/**\n *
Returns the first entry yielding the smallest value of the given function or `null` if there are no entries.\n * \n *
@sample samples.collections.Collections.Aggregates.minByOrNull\n

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*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R : Comparable<R>> Map<out K, V>.minByOrNull(selector: (Map.Entry<K, V>) -> R): Map.Entry<K, V>? {\n return
entries.minByOrNull(selector)\n}\n\n/**\n * Returns the smallest value among all values produced by [selector]
function\n * applied to each entry in the map.\n * \n * If any of values produced by [selector] function is `NaN`, the
returned result is `NaN`.\n * \n * @throws NoSuchElementException if the map is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K, V>.minOf(selector:
(Map.Entry<K, V>) -> Double): Double {\n return entries.minOf(selector)\n}\n\n/**\n * Returns the smallest
value among all values produced by [selector] function\n * applied to each entry in the map.\n * \n * If any of values
produced by [selector] function is `NaN`, the returned result is `NaN`.\n * \n * @throws NoSuchElementException
if the map is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K, V>.minOf(selector:
(Map.Entry<K, V>) -> Float): Float {\n return entries.minOf(selector)\n}\n\n/**\n * Returns the smallest value
among all values produced by [selector] function\n * applied to each entry in the map.\n * \n * @throws
NoSuchElementException if the map is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R : Comparable<R>> Map<out K,
V>.minOf(selector: (Map.Entry<K, V>) -> R): R {\n return entries.minOf(selector)\n}\n\n/**\n * Returns the
smallest value among all values produced by [selector] function\n * applied to each entry in the map or `null` if
there are no entries.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K,
V>.minOfOrNull(selector: (Map.Entry<K, V>) -> Double): Double? {\n return
entries.minOfOrNull(selector)\n}\n\n/**\n * Returns the smallest value among all values produced by [selector]
function\n * applied to each entry in the map or `null` if there are no entries.\n * \n * If any of values produced by
[selector] function is `NaN`, the returned result is `NaN`.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K,
V>.minOfOrNull(selector: (Map.Entry<K, V>) -> Float): Float? {\n return
entries.minOfOrNull(selector)\n}\n\n/**\n * Returns the smallest value among all values produced by [selector]
function\n * applied to each entry in the map or `null` if there are no entries.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R : Comparable<R>> Map<out K,
V>.minOfOrNull(selector: (Map.Entry<K, V>) -> R): R? {\n return entries.minOfOrNull(selector)\n}\n\n/**\n *
Returns the smallest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each entry in the map.\n * \n * @throws NoSuchElementException if the map is empty.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R> Map<out K,
V>.minOfWith(comparator: Comparator<in R>, selector: (Map.Entry<K, V>) -> R): R {\n return
entries.minOfWith(comparator, selector)\n}\n\n/**\n * Returns the smallest value according to the provided
[comparator]\n * among all values produced by [selector] function applied to each entry in the map or `null` if there
are no entries.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <K, V, R> Map<out K,
V>.minOfWithOrNull(comparator: Comparator<in R>, selector: (Map.Entry<K, V>) -> R): R? {\n return
entries.minOfWithOrNull(comparator, selector)\n}\n\n@Deprecated("Use minWithOrNull instead.",
ReplaceWith("this.minWithOrNull(comparator)"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince

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= \"1.5\", hiddenSince = \"1.6\")\npublic fun <K, V> Map<out K, V>.minWith(comparator: Comparator<in
Map.Entry<K, V>>): Map.Entry<K, V>? {\n    return minWithOrNull(comparator)\n}\n\n/**\n * Returns the first
entry having the smallest value according to the provided [comparator] or `null` if there are no entries.\n
*\n * @since Kotlin(\"1.4\")\n */\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K,
V>.minWithOrNull(comparator: Comparator<in Map.Entry<K, V>>): Map.Entry<K, V>? {\n    return
entries.minWithOrNull(comparator)\n}\n\n/**\n * Returns `true` if the map has no entries.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic fun <K, V> Map<out K, V>.none(): Boolean {\n
return isEmpty()\n}\n\n/**\n * Returns `true` if no entries match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n */\npublic inline fun <K, V> Map<out K,
V>.none(predicate: (Map.Entry<K, V>) -> Boolean): Boolean {\n    if (isEmpty()) return true\n    for (element in
this) if (predicate(element)) return false\n    return true\n}\n\n/**\n * Performs the given [action] on each entry and
returns the map itself afterwards.\n */\n@SinceKotlin(\"1.1\")\npublic inline fun <K, V, M : Map<out K, V>>
M.onEach(action: (Map.Entry<K, V>) -> Unit): M {\n    return apply { for (element in this) action(element)
}\n}\n\n/**\n * Performs the given [action] on each entry, providing sequential index with the entry,\n * and returns
the map itself afterwards.\n * @param [action] function that takes the index of an entry and the entry itself\n * and
performs the action on the entry.\n */\n@SinceKotlin(\"1.4\")\npublic inline fun <K, V, M : Map<out K, V>>
M.onEachIndexed(action: (index: Int, Map.Entry<K, V>) -> Unit): M {\n    return apply {
entries.forEachIndexed(action) }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original map returning
its entries when being iterated.\n */\n@kotlin.internal.InlineOnly\npublic inline fun <K, V> Map<out K,
V>.asIterable(): Iterable<Map.Entry<K, V>> {\n    return entries\n}\n\n/**\n * Creates a [Sequence] instance that
wraps the original map returning its entries when being iterated.\n */\npublic fun <K, V> Map<out K,
V>.asSequence(): Sequence<Map.Entry<K, V>> {\n    return entries.asSequence()\n}\n\n"/*\n * Copyright 2010-
2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.text\n\n/\n\n// NOTE:
THIS FILE IS AUTO-GENERATED by the GenerateUnicodeData.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\n/\n\n// 10 mappings totally\n\ninternal fun
Char.titlecaseImpl(): String {\n    val uppercase = uppercase()\n    if (uppercase.length > 1) {\n        return if (this ==
\"\\u0149\") uppercase else uppercase[0] + uppercase.substring(1).lowercase()\n    }\n    return
titlecaseChar().toString()\n}\n\n"/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.text\n\n/**\n * Converts this character to lower case using Unicode
mapping rules of the invariant locale.\n */\n@Deprecated(\"Use lowercaseChar() instead.\",
ReplaceWith(\"lowercaseChar()\"))\n@DeprecatedSinceKotlin(warningSince =
\"1.5\")\n@kotlin.internal.InlineOnly\npublic actual inline fun Char.toLowerCase(): Char =
lowercaseChar()\n\n/**\n * Converts this character to lower case using Unicode mapping rules of the invariant
locale.\n * \n * This function performs one-to-one character mapping.\n * To support one-to-many character
mapping use the [lowercase] function.\n * If this character has no mapping equivalent, the character itself is
returned.\n * \n * @sample samples.text.Chars.lowercase\n */\n@SinceKotlin(\"1.5\")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
actual inline fun Char.lowercaseChar(): Char = lowercase()[0]\n\n/**\n * Converts this character to lower case
using Unicode mapping rules of the invariant locale.\n * \n * This function supports one-to-many character mapping,
thus the length of the returned string can be greater than one.\n * For example, `\"\\u0130'.lowercase()` returns
`\"\\u0069\\u0307\"`,\n * where `\"\\u0130` is the LATIN CAPITAL LETTER I WITH DOT ABOVE character
(`\\u0130`).\n * If this character has no lower case mapping, the result of `toString()` of this char is returned.\n * \n *
@sample samples.text.Chars.lowercase\n */\n@SinceKotlin(\"1.5\")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
actual inline fun Char.lowercase(): String = toString().asDynamic().toLowerCase().unsafeCast<String>()\n\n/**\n *
Converts this character to upper case using Unicode mapping rules of the invariant locale.\n

```

```

*^@Deprecated("Use uppercaseChar() instead.",
ReplaceWith("uppercaseChar()"))^@DeprecatedSinceKotlin(warningSince =
"1.5")^@kotlin.internal.InlineOnly^np public actual inline fun Char.toUpperCase(): Char =
uppercaseChar()\n\n/**\n * Converts this character to upper case using Unicode mapping rules of the invariant
locale.\n *\n * This function performs one-to-one character mapping.\n * To support one-to-many character
mapping use the [uppercase] function.\n * If this character has no mapping equivalent, the character itself is
returned.\n *\n * @sample samples.text.Chars.uppercase\n
*^@SinceKotlin("1.5")^@WasExperimental(ExperimentalStdlibApi::class)^np public actual fun
Char.toUpperCaseChar(): Char {\n    val uppercase = uppercase()\n    return if (uppercase.length > 1) this else
uppercase[0]\n}\n\n/**\n * Converts this character to upper case using Unicode mapping rules of the invariant
locale.\n *\n * This function supports one-to-many character mapping, thus the length of the returned string can be
greater than one.\n * For example, ``\u0046\u0046`` returns ``\u0046\u0046``,\n * where ``\u0046`` is the
LATIN SMALL LIGATURE FF character (`\u0046`).\n * If this character has no upper case mapping, the result of
`toString()` of this char is returned.\n *\n * @sample samples.text.Chars.uppercase\n
*^@SinceKotlin("1.5")^@WasExperimental(ExperimentalStdlibApi::class)^@kotlin.internal.InlineOnly^np ubli
c actual inline fun Char.toUpperCase(): String = toString().asDynamic().toUpperCase().unsafeCast<String>()\n\n/**\n
* Converts this character to title case using Unicode mapping rules of the invariant locale.\n *\n * This function
performs one-to-one character mapping.\n * To support one-to-many character mapping use the [titlecase]
function.\n * If this character has no mapping equivalent, the result of calling [uppercaseChar] is returned.\n *\n *
@sample samples.text.Chars.titlecase\n
*^@SinceKotlin("1.5")^np public actual fun Char.titlecaseChar(): Char =
titlecaseCharImpl()\n\n/**\n * Returns `true` if this character is a Unicode high-surrogate code unit (also known as
leading-surrogate code unit).\n *^np public actual fun Char.isHighSurrogate(): Boolean = this in
Char.MIN_HIGH_SURROGATE..Char.MAX_HIGH_SURROGATE\n\n/**\n * Returns `true` if this character is a
Unicode low-surrogate code unit (also known as trailing-surrogate code unit).\n *^np public actual fun
Char.isLowSurrogate(): Boolean = this in
Char.MIN_LOW_SURROGATE..Char.MAX_LOW_SURROGATE\n\n/**\n * Returns the Unicode general
category of this character.\n *^@SinceKotlin("1.5")^np public actual val Char.category: CharCategory\n    get() =
CharCategory.valueOf(getCategoryValue())\n\n/**\n * Returns `true` if this character (Unicode code point) is
defined in Unicode.\n *\n * A character is considered to be defined in Unicode if its [category] is not
[CharCategory.UNASSIGNED].\n *^@SinceKotlin("1.5")^np public actual fun Char.isDefined(): Boolean {\n    if
(this < "\u0080") {\n        return true\n    }\n    return getCategoryValue() !=
CharCategory.UNASSIGNED.value\n}\n\n/**\n * Returns `true` if this character is a letter.\n *\n * A character is
considered to be a letter if its [category] is [CharCategory.UPPERCASE_LETTER],\n *
[CharCategory.LOWERCASE_LETTER], [CharCategory.TITLECASE_LETTER],
[CharCategory.MODIFIER_LETTER], or [CharCategory.OTHER_LETTER].\n *\n * @sample
samples.text.Chars.isLetter\n
*^@SinceKotlin("1.5")^np public actual fun Char.isLetter(): Boolean {\n    if (this in
'a..'z' || this in 'A..'Z') {\n        return true\n    }\n    if (this < "\u0080") {\n        return false\n    }\n    return
isLetterImpl()\n}\n\n/**\n * Returns `true` if this character is a letter or digit.\n *\n * @see isLetter\n * @see
isDigit\n *\n * @sample samples.text.Chars.isLetterOrDigit\n
*^@SinceKotlin("1.5")^np public actual fun
Char.isLetterOrDigit(): Boolean {\n    if (this in 'a..'z' || this in 'A..'Z' || this in '0..'9') {\n        return true\n    }\n    if
(this < "\u0080") {\n        return false\n    }\n    return isDigitImpl() || isLetterImpl()\n}\n\n/**\n * Returns `true` if
this character is a digit.\n *\n * A character is considered to be a digit if its [category] is
[CharCategory.DECIMAL_DIGIT_NUMBER].\n *\n * @sample samples.text.Chars.isDigit\n
*^@SinceKotlin("1.5")^np public actual fun Char.isDigit(): Boolean {\n    if (this in '0..'9') {\n        return true\n    }\n    if
(this < "\u0080") {\n        return false\n    }\n    return isDigitImpl()\n}\n\n/**\n * Returns `true` if this
character is upper case.\n *\n * A character is considered to be an upper case character if its [category] is
[CharCategory.UPPERCASE_LETTER],\n * or it has contributory property `Other_Uppercase` as defined by the
Unicode Standard.\n *\n * @sample samples.text.Chars.isUpperCase\n
*^@SinceKotlin("1.5")^np public actual fun

```

```

Char.isUpperCase(): Boolean {
    if (this in 'A'..'Z') return true
    if (this < '\u0080') return false
    return isUpperCaseImpl()
}
Returns `true` if this character is lower case.
A character is considered to be a lower case character if its [category] is [CharCategory.LOWERCASE_LETTER], or it has contributory property `Other_Lowercase` as defined by the Unicode Standard.
@sample
samples.text.Chars.isLowerCase()
Since Kotlin("1.5")
public actual fun Char.isLowerCase(): Boolean {
    if (this in 'a'..'z') return true
    if (this < '\u0080') return false
    return isLowerCaseImpl()
}
Returns `true` if this character is a title case letter.
A character is considered to be a title case letter if its [category] is [CharCategory.TITLECASE_LETTER].
@sample
samples.text.Chars.isTitleCase()
Since Kotlin("1.5")
public actual fun Char.isTitleCase(): Boolean {
    if (this < '\u0080') return false
    return getCategoryValue() == CharCategory.TITLECASE_LETTER.value
}
Returns `true` if this character is an ISO control character.
A character is considered to be an ISO control character if its [category] is [CharCategory.CONTROL], meaning the Char is in the range '\u0000'..'u001F' or in the range '\u007F'..'u009F'.
@sample
samples.text.Chars.isISOControl()
Since Kotlin("1.5")
public actual fun Char.isISOControl(): Boolean {
    return this <= '\u001F' || this in '\u007F'..'u009F'
}
Determines whether a character is whitespace according to the Unicode standard.
Returns `true` if the character is whitespace.
@sample
samples.text.Chars.isWhitespace()
public actual fun Char.isWhitespace(): Boolean = isWhitespaceImpl()
Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.
Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
package kotlin.text
import kotlin.js.RegExp
Converts the characters in the specified array to a string.
Since Kotlin("1.2")
@Deprecated("Use CharArray.concatToString() instead", ReplaceWith("chars.concatToString()"))
@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5")
public actual fun String(chars: CharArray): String {
    var result = ""
    for (char in chars) result += char
    return result
}
Converts the characters from a portion of the specified array to a string.
@throws IndexOutOfBoundsException if either [offset] or [length] are less than zero or `offset + length` is out of [chars] array bounds.
Since Kotlin("1.2")
@Deprecated("Use CharArray.concatToString(startIndex, endIndex) instead", ReplaceWith("chars.concatToString(offset, offset + length)"))
@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5")
public actual fun String(chars: CharArray, offset: Int, length: Int): String {
    if (offset < 0 || length < 0 || chars.size - offset < length) throw IndexOutOfBoundsException("size: ${chars.size}; offset: $offset; length: $length")
    var result = ""
    for (index in offset until offset + length) result += chars[index]
    return result
}
Concatenates characters in this [CharArray] into a String.
Since Kotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
public actual fun CharArray.concatToString(): String {
    var result = ""
    for (char in this) result += char
    return result
}
Concatenates characters in this [CharArray] or its subrange into a String.
@param startIndex the beginning (inclusive) of the subrange of characters, 0 by default.
@param endIndex the end (exclusive) of the subrange of characters, size of this array by default.
@throws IndexOutOfBoundsException if [startIndex] is less than zero or [endIndex] is greater than the size of this array.
@throws IllegalArgumentException if [startIndex] is greater than [endIndex].
Since Kotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")
public actual fun CharArray.concatToString(startIndex: Int = 0, endIndex: Int = this.size): String {
    AbstractList.checkBoundsIndexes(startIndex, endIndex, this.size)
    var result = ""
    for (index in startIndex until endIndex) result += this[index]
    return result
}
Returns a [CharArray] containing characters of this string.
Since Kotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
public actual fun String.toCharArray(): CharArray {
    return CharArray(length) { get(it) }
}
Returns a [CharArray] containing characters of this string or its substring.
@param startIndex the beginning (inclusive) of the substring, 0 by default.
@param endIndex the end (exclusive) of the substring, length of this string by default.

```

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*\n * @throws IndexOutOfBoundsException if [startIndex] is less than zero or [endIndex] is greater than the length
of this string.\n * @throws IllegalArgumentException if [startIndex] is greater than [endIndex].\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual fun String.toCharArray(startIndex: Int = 0, endIndex: Int
= this.length): CharArray {\n    AbstractList.checkBoundsIndexes(startIndex, endIndex, length)\n    return
CharArray(endIndex - startIndex) { get(startIndex + it) }\n}\n\n/**\n * Decodes a string from the bytes in UTF-8
encoding in this array.\n * Malformed byte sequences are replaced by the replacement char `\\uFFFD`.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic actual fun
ByteArray.decodeToString(): String {\n    return decodeUtf8(this, 0, size, false)\n}\n\n/**\n * Decodes a string from
the bytes in UTF-8 encoding in this array or its subrange.\n * @param startIndex the beginning (inclusive) of the
subrange to decode, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to decode, size of this
array by default.\n * @param throwOnInvalidSequence specifies whether to throw an exception on malformed byte
sequence or replace it by the replacement char `\\uFFFD`.\n * @throws IndexOutOfBoundsException if
[startIndex] is less than zero or [endIndex] is greater than the size of this array.\n * @throws
IllegalArgumentException if [startIndex] is greater than [endIndex].\n * @throws CharacterCodingException if the
byte array contains malformed UTF-8 byte sequence and [throwOnInvalidSequence] is true.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual fun ByteArray.decodeToString(\n    startIndex: Int = 0,\n    endIndex: Int = this.size,\n    throwOnInvalidSequence: Boolean = false\n): String {\n
    AbstractList.checkBoundsIndexes(startIndex, endIndex, this.size)\n    return decodeUtf8(this, startIndex, endIndex,
throwOnInvalidSequence)\n}\n\n/**\n * Encodes this string to an array of bytes in UTF-8 encoding.\n * Any
malformed char sequence is replaced by the replacement byte sequence.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic actual fun
String.encodeToByteArray(): ByteArray {\n    return encodeUtf8(this, 0, length, false)\n}\n\n/**\n * Encodes this
string or its substring to an array of bytes in UTF-8 encoding.\n * @param startIndex the beginning (inclusive)
of the substring to encode, 0 by default.\n * @param endIndex the end (exclusive) of the substring to encode, length
of this string by default.\n * @param throwOnInvalidSequence specifies whether to throw an exception on
malformed char sequence or replace.\n * @throws IndexOutOfBoundsException if [startIndex] is less than zero
or [endIndex] is greater than the length of this string.\n * @throws IllegalArgumentException if [startIndex] is
greater than [endIndex].\n * @throws CharacterCodingException if this string contains malformed char sequence
and [throwOnInvalidSequence] is true.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual fun String.encodeToByteArray(\n    startIndex: Int = 0,\n    endIndex: Int = this.length,\n    throwOnInvalidSequence: Boolean = false\n): ByteArray {\n
    AbstractList.checkBoundsIndexes(startIndex, endIndex, length)\n    return encodeUtf8(this, startIndex, endIndex,
throwOnInvalidSequence)\n}\n\n/**\n * Returns a copy of this string converted to upper case using the rules of the
default locale.\n * @Deprecated("Use uppercase() instead.")\n    ReplaceWith("uppercase()")\n@DeprecatedSinceKotlin(warningSince =
"1.5")\n@kotlin.internal.InlineOnly\npublic actual inline fun String.toUpperCase(): String =
asDynamic().toUpperCase()\n\n/**\n * Returns a copy of this string converted to upper case using Unicode mapping
rules of the invariant locale.\n * This function supports one-to-many and many-to-one character mapping,\n *
thus the length of the returned string can be different from the length of the original string.\n * @sample
samples.text.Strings.uppercase\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c actual inline fun String.toUpperCase(): String = asDynamic().toUpperCase()\n\n/**\n * Returns a copy of this string
converted to lower case using the rules of the default locale.\n * @Deprecated("Use lowercase() instead.")\n    ReplaceWith("lowercase()")\n@DeprecatedSinceKotlin(warningSince =
"1.5")\n@kotlin.internal.InlineOnly\npublic actual inline fun String.toLowerCase(): String =

```

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asDynamic().toLowerCase()\n\n/**\n * Returns a copy of this string converted to lower case using Unicode
mapping rules of the invariant locale.\n *\n * This function supports one-to-many and many-to-one character
mapping,\n * thus the length of the returned string can be different from the length of the original string.\n *\n *
@sample samples.text.Strings.lowercase\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
actual inline fun String.toLowerCase(): String = asDynamic().toLowerCase()\n\n@kotlin.internal.InlineOnly\ninternal
actual inline fun String.nativeIndexOf(str: String, fromIndex: Int): Int = asDynamic().indexOf(str,
fromIndex)\n\n@kotlin.internal.InlineOnly\ninternal actual inline fun String.nativeLastIndexOf(str: String,
fromIndex: Int): Int = asDynamic().lastIndexOf(str, fromIndex)\n\n@kotlin.internal.InlineOnly\ninternal inline fun
String.nativeStartsWith(s: String, position: Int): Boolean = asDynamic().startsWith(s,
position)\n\n@kotlin.internal.InlineOnly\ninternal inline fun String.nativeEndsWith(s: String): Boolean =
asDynamic().endsWith(s)\n\n@kotlin.internal.InlineOnly\npublic actual inline fun String.substring(startIndex: Int):
String = asDynamic().substring(startIndex)\n\n@kotlin.internal.InlineOnly\npublic actual inline fun
String.substring(startIndex: Int, endIndex: Int): String = asDynamic().substring(startIndex,
endIndex)\n\n@Deprecated("Use String.plus() instead", ReplaceWith("this +
str"))\n@DeprecatedSinceKotlin(warningSince = "1.6")\n@kotlin.internal.InlineOnly\npublic inline fun
String.concat(str: String): String = asDynamic().concat(str)\n\n@Deprecated("Use Regex.findAll() instead or
invoke matches() on String dynamically:
this.asDynamic().match(regex)")\n@DeprecatedSinceKotlin(warningSince =
"1.6")\n@kotlin.internal.InlineOnly\npublic inline fun String.match(regex: String): Array<String>? =
asDynamic().match(regex)\n\n//native public fun String.trim(): String\n//TODO: String.replace to implement
effective trimLeading and trimTrailing\n\n@kotlin.internal.InlineOnly\ninternal inline fun
String.nativeReplace(pattern: RegExp, replacement: String): String = asDynamic().replace(pattern,
replacement)\n\n/**\n * Compares two strings lexicographically, optionally ignoring case differences.\n *\n * If
[ignoreCase] is true, the result of `Char.toUpperCaseChar().toLowerCaseChar()` on each character is compared.\n
*\n@SinceKotlin("1.2")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun String.compareTo(other: String, ignoreCase: Boolean = false): Int {\n    if (ignoreCase) {\n        val n1 =
this.length\n        val n2 = other.length\n        val min = minOf(n1, n2)\n        if (min == 0) return n1 - n2\n        for
(index in 0 until min) {\n            var thisChar = this[index]\n            var otherChar = other[index]\n\n            if
(thisChar != otherChar) {\n                thisChar = thisChar.toUpperCaseChar()\n                otherChar =
otherChar.toUpperCaseChar()\n\n                if (thisChar != otherChar) {\n                    thisChar =
thisChar.toLowerCaseChar()\n                    otherChar = otherChar.toLowerCaseChar()\n\n                    if (thisChar !=
otherChar) {\n                        return thisChar.compareTo(otherChar)\n                    }\n                }\n            }\n        }\n        return n1 - n2\n    } else {\n        return compareTo(other)\n    }\n}\n\n/**\n * Returns `true` if the contents
of this char sequence are equal to the contents of the specified [other],\n * i.e. both char sequences contain the same
number of the same characters in the same order.\n *\n * @sample samples.text.Strings.contentEquals\n
*\n@SinceKotlin("1.5")\npublic actual infix fun CharSequence?.contentEquals(other: CharSequence?): Boolean =
contentEqualsImpl(other)\n\n/**\n * Returns `true` if the contents of this char sequence are equal to the contents of
the specified [other], optionally ignoring case difference.\n *\n * @param ignoreCase `true` to ignore character case
when comparing contents.\n *\n * @sample samples.text.Strings.contentEquals\n *\n@SinceKotlin("1.5")\npublic
actual fun CharSequence?.contentEquals(other: CharSequence?, ignoreCase: Boolean): Boolean {\n    return if
(ignoreCase)\n        this.contentEqualsIgnoreCaseImpl(other)\n    else\n        this.contentEqualsImpl(other)\n}\n\n\nprivate val STRING_CASE_INSENSITIVE_ORDER = Comparator<String>
{ a, b -> a.compareTo(b, ignoreCase = true) }\n\n@SinceKotlin("1.2")\npublic actual val
String.Companion.CASE_INSENSITIVE_ORDER: Comparator<String>\n    get() =
STRING_CASE_INSENSITIVE_ORDER\n", "/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n

```

```

*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("\nCharsKt\n")\n\npackage kotlin.text\n\n/**\n * Returns the numeric value of the decimal digit that this Char represents.\n * Throws an exception if this Char is not a valid decimal digit.\n * A Char is considered to represent a decimal digit if [isDigit] is true for the Char.\n * In this case, the Unicode decimal digit value of the character is returned.\n * @sample

```

```

samples.text.Chars.digitToInt\n

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*\n\n@SinceKotlin("1.5\n")\n\n@WasExperimental(ExperimentalStdlibApi::class)\n\npublic fun Char.digitToInt(): Int\n {\n     return digitOf(this, 10).also {\n         if (it < 0) throw IllegalArgumentException("\nChar $this is not a decimal digit\n")\n     }\n }\n\n/**\n * Returns the numeric value of the digit that this Char represents in the specified [radix].\n * Throws an exception if the [radix] is not in the range `2..36` or if this Char is not a valid digit in the specified [radix].\n * A Char is considered to represent a digit in the specified [radix] if at least one of the following is true:\n * - [isDigit] is `true` for the Char and the Unicode decimal digit value of the character is less than the specified [radix]. In this case the decimal digit value is returned.\n * - The Char is one of the uppercase Latin letters 'A' through 'Z' and its [code] is less than `radix + 'A'.code - 10`. In this case, `this.code - 'A'.code + 10` is returned.\n * - The Char is one of the lowercase Latin letters 'a' through 'z' and its [code] is less than `radix + 'a'.code - 10`. In this case, `this.code - 'a'.code + 10` is returned.\n * - The Char is one of the fullwidth Latin capital letters '\n\uFF21' through '\n\uFF3A' and its [code] is less than `radix + 0xFF21 - 10`. In this case, `this.code - 0xFF21 + 10` is returned.\n * - The Char is one of the fullwidth Latin small letters '\n\uFF41' through '\n\uFF5A' and its [code] is less than `radix + 0xFF41 - 10`. In this case, `this.code - 0xFF41 + 10` is returned.\n * @sample

```

```

samples.text.Chars.digitToInt\n

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```

*\n\n@SinceKotlin("1.5\n")\n\n@WasExperimental(ExperimentalStdlibApi::class)\n\npublic fun Char.digitToInt(radix: Int): Int\n {\n     return digitToIntOrNull(radix) ?: throw IllegalArgumentException("\nChar $this is not a digit in the given radix=$radix\n")\n }\n\n/**\n * Returns the numeric value of the decimal digit that this Char represents, or `null` if this Char is not a valid decimal digit.\n * A Char is considered to represent a decimal digit if [isDigit] is true for the Char.\n * In this case, the Unicode decimal digit value of the character is returned.\n * @sample

```

```

samples.text.Chars.digitToIntOrNull\n

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```

*\n\n@SinceKotlin("1.5\n")\n\n@WasExperimental(ExperimentalStdlibApi::class)\n\npublic fun Char.digitToIntOrNull(): Int?\n {\n     return digitOf(this, 10).takeIf { it >= 0 }\n }\n\n/**\n * Returns the numeric value of the digit that this Char represents in the specified [radix], or `null` if this Char is not a valid digit in the specified [radix].\n * Throws an exception if the [radix] is not in the range `2..36`.\n * A Char is considered to represent a digit in the specified [radix] if at least one of the following is true:\n * - [isDigit] is `true` for the Char and the Unicode decimal digit value of the character is less than the specified [radix]. In this case the decimal digit value is returned.\n * - The Char is one of the uppercase Latin letters 'A' through 'Z' and its [code] is less than `radix + 'A'.code - 10`. In this case, `this.code - 'A'.code + 10` is returned.\n * - The Char is one of the lowercase Latin letters 'a' through 'z' and its [code] is less than `radix + 'a'.code - 10`. In this case, `this.code - 'a'.code + 10` is returned.\n * - The Char is one of the fullwidth Latin capital letters '\n\uFF21' through '\n\uFF3A' and its [code] is less than `radix + 0xFF21 - 10`. In this case, `this.code - 0xFF21 + 10` is returned.\n * - The Char is one of the fullwidth Latin small letters '\n\uFF41' through '\n\uFF5A' and its [code] is less than `radix + 0xFF41 - 10`. In this case, `this.code - 0xFF41 + 10` is returned.\n * @sample

```

```

samples.text.Chars.digitToIntOrNull\n

```

```

*\n\n@SinceKotlin("1.5\n")\n\n@WasExperimental(ExperimentalStdlibApi::class)\n\npublic fun Char.digitToIntOrNull(radix: Int): Int?\n {\n     checkRadix(radix)\n     return digitOf(this, radix).takeIf { it >= 0 }\n }\n\n/**\n * Returns the Char that represents this decimal digit.\n * Throws an exception if this value is not in the range `0..9`.\n * If this value is in `0..9`, the decimal digit Char with code `0'.code + this` is returned.\n * @sample

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```

samples.text.Chars.digitToChar\n

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```

*\n\n@SinceKotlin("1.5\n")\n\n@WasExperimental(ExperimentalStdlibApi::class)\n\npublic fun Int.digitToChar(): Char\n {\n     if (this in 0..9) {\n         return '0' + this\n     }\n     throw IllegalArgumentException("\nInt $this is not a decimal digit\n")\n }\n\n/**\n * Returns the Char that represents this numeric digit value in the specified [radix].\n * Throws an exception if the [radix] is not in the range `2..36` or if this value is not in the range `0` until [radix].\n * If this value is less than `10`, the decimal digit Char with code `0'.code + this` is returned.\n * Otherwise, the uppercase

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Latin letter with code `A'.code + this - 10` is returned.

```

    * @sample samples.text.Chars.digitToChar
    * \n @SinceKotlin("1.5") \n @WasExperimental(ExperimentalStdlibApi::class) \n public fun Int.digitToChar(radix: Int): Char {
    \n     if (radix !in 2..36) {
    \n         throw IllegalArgumentException("Invalid radix: $radix. Valid radix values are in range 2..36")
    \n     }
    \n     if (this < 0 || this >= radix) {
    \n         throw IllegalArgumentException("Digit $this does not represent a valid digit in radix $radix")
    \n     }
    \n     return if (this < 10) {
    \n         '0' + this
    \n     } else {
    \n         'A' + this - 10
    \n     }
    \n }
    \n /**
    \n  * Converts this character to lower case using Unicode mapping rules of the invariant locale.
    \n  * \n @Deprecated("Use lowercaseChar() instead.",
    \n ReplaceWith("lowercaseChar()"))
    \n @DeprecatedSinceKotlin(warningSince = "1.5") \n public expect fun Char.toLowerCase(): Char
    \n /**
    \n  * Converts this character to lower case using Unicode mapping rules of the invariant locale.
    \n  * \n  * This function performs one-to-one character mapping.
    \n  * To support one-to-many character mapping use the [toLowerCase] function.
    \n  * If this character has no mapping equivalent, the character itself is returned.
    \n  * \n  * @sample samples.text.Chars.toLowerCase
    \n  * \n @SinceKotlin("1.5") \n @WasExperimental(ExperimentalStdlibApi::class) \n public expect fun Char.toLowerCaseChar(): Char
    \n /**
    \n  * Converts this character to lower case using Unicode mapping rules of the invariant locale.
    \n  * \n  * This function supports one-to-many character mapping, thus the length of the returned string can be greater than one.
    \n  * For example, `'\u0130'.toLowerCase()` returns `'\u0069\u0307'`, where `'\u0130` is the LATIN CAPITAL LETTER I WITH DOT ABOVE character (`\ufffd\u0130`).
    \n  * If this character has no lower case mapping, the result of `toString()` of this char is returned.
    \n  * \n  * @sample samples.text.Chars.toLowerCase
    \n  * \n @SinceKotlin("1.5") \n @WasExperimental(ExperimentalStdlibApi::class) \n public expect fun Char.lowercase(): String
    \n /**
    \n  * Converts this character to upper case using Unicode mapping rules of the invariant locale.
    \n  * \n @Deprecated("Use uppercaseChar() instead.",
    \n ReplaceWith("uppercaseChar()"))
    \n @DeprecatedSinceKotlin(warningSince = "1.5") \n public expect fun Char.toUpperCase(): Char
    \n /**
    \n  * Converts this character to upper case using Unicode mapping rules of the invariant locale.
    \n  * \n  * This function performs one-to-one character mapping.
    \n  * To support one-to-many character mapping use the [toUpperCase] function.
    \n  * If this character has no mapping equivalent, the character itself is returned.
    \n  * \n  * @sample samples.text.Chars.toUpperCase
    \n  * \n @SinceKotlin("1.5") \n @WasExperimental(ExperimentalStdlibApi::class) \n public expect fun Char.uppercaseChar(): Char
    \n /**
    \n  * Converts this character to upper case using Unicode mapping rules of the invariant locale.
    \n  * \n  * This function supports one-to-many character mapping, thus the length of the returned string can be greater than one.
    \n  * For example, `'\uFB00'.uppercase()` returns `'\u0046\u0046'`, where `'\uFB00` is the LATIN SMALL LIGATURE FF character (`\ufffd\u0046\u0046`).
    \n  * If this character has no upper case mapping, the result of `toString()` of this char is returned.
    \n  * \n  * @sample samples.text.Chars.uppercase
    \n  * \n @SinceKotlin("1.5") \n @WasExperimental(ExperimentalStdlibApi::class) \n public expect fun Char.uppercase(): String
    \n /**
    \n  * Converts this character to title case using Unicode mapping rules of the invariant locale.
    \n  * \n  * This function performs one-to-one character mapping.
    \n  * To support one-to-many character mapping use the [titlecase] function.
    \n  * If this character has no mapping equivalent, the result of calling [uppercaseChar] is returned.
    \n  * \n  * @sample samples.text.Chars.titlecase
    \n  * \n @SinceKotlin("1.5") \n public expect fun Char.titlecaseChar(): Char
    \n /**
    \n  * Converts this character to title case using Unicode mapping rules of the invariant locale.
    \n  * \n  * This function supports one-to-many character mapping, thus the length of the returned string can be greater than one.
    \n  * For example, `'\uFB00'.titlecase()` returns `'\u0046\u0066'`, where `'\uFB00` is the LATIN SMALL LIGATURE FF character (`\ufffd\u0046\u0066`).
    \n  * If this character has no title case mapping, the result of [uppercase] is returned instead.
    \n  * \n  * @sample samples.text.Chars.titlecase
    \n  * \n @SinceKotlin("1.5") \n public fun Char.titlecase(): String = titlecaseImpl()
    \n /**
    \n  * Concatenates this Char and a String.
    \n  * \n  * @sample samples.text.Chars.plus
    \n  * \n @kotlin.internal.InlineOnly \n public inline operator fun Char.plus(other: String): String = this.toString() + other
    \n /**
    \n  * Returns `true` if this character is equal to the [other] character, optionally ignoring character case.
    \n  * \n  * Two characters are considered equal ignoring case if `Char.uppercaseChar().toLowerCaseChar()` on each character produces the same result.
    \n  * \n  * @param ignoreCase

```

```

`true` to ignore character case when comparing characters. By default `false`.
 * @sample
 samples.text.Chars.equals
 * /npublic fun Char.equals(other: Char, ignoreCase: Boolean = false): Boolean {
   if (this == other) return true
   if (!ignoreCase) return false
   val thisUpper = this.uppercaseChar()
   val otherUpper = other.uppercaseChar()
   return thisUpper == otherUpper || thisUpper.lowercaseChar() ==
   otherUpper.lowercaseChar()
 }
 * /n/n/**
 * Returns `true` if this character is a Unicode surrogate code unit.
 * /npublic fun Char.isSurrogate(): Boolean = this in Char.MIN_SURROGATE..Char.MAX_SURROGATE
 * /n/n/**
 * Returns the Unicode general category of this character.
 * /n @SinceKotlin("1.5")
npublic expect val
 Char.category: CharCategory
 * /n/n/**
 * Returns `true` if this character (Unicode code point) is defined in
 Unicode.
 * /n * A character is considered to be defined in Unicode if its [category] is not
 [CharCategory.UNASSIGNED].
 * /n @SinceKotlin("1.5")
npublic expect fun Char.isDefined():
 Boolean
 * /n/n/**
 * Returns `true` if this character is a letter.
 * /n * A character is considered to be a letter if its
 [category] is [CharCategory.UPPERCASE_LETTER],
 * [CharCategory.LOWERCASE_LETTER],
 [CharCategory.TITLECASE_LETTER], [CharCategory.MODIFIER_LETTER], or
 [CharCategory.OTHER_LETTER].
 * /n * @sample samples.text.Chars.isLetter
 * /n @SinceKotlin("1.5")
npublic expect fun Char.isLetter(): Boolean
 * /n/n/**
 * Returns `true` if this character is a
 letter or digit.
 * /n * @see isLetter
 * @see isDigit
 * /n * @sample samples.text.Chars.isLetterOrDigit
 * /n @SinceKotlin("1.5")
npublic expect fun Char.isLetterOrDigit(): Boolean
 * /n/n/**
 * Returns `true` if this
 character is a digit.
 * /n * A character is considered to be a digit if its [category] is
 [CharCategory.DECIMAL_DIGIT_NUMBER].
 * /n * @sample samples.text.Chars.isDigit
 * /n @SinceKotlin("1.5")
npublic expect fun Char.isDigit(): Boolean
 * /n/n/**
 * Returns `true` if this character is
 upper case.
 * /n * A character is considered to be an upper case character if its [category] is
 [CharCategory.UPPERCASE_LETTER],
 * or it has contributory property `Other_Uppercase` as defined by the
 Unicode Standard.
 * /n * @sample samples.text.Chars.isUpperCase
 * /n @SinceKotlin("1.5")
npublic expect
 fun Char.isUpperCase(): Boolean
 * /n/n/**
 * Returns `true` if this character is lower case.
 * /n * A character is
 considered to be a lower case character if its [category] is [CharCategory.LOWERCASE_LETTER],
 * or it has
 contributory property `Other_Lowercase` as defined by the Unicode Standard.
 * /n * @sample
 samples.text.Chars.isLowerCase
 * /n @SinceKotlin("1.5")
npublic expect fun Char.isLowerCase():
 Boolean
 * /n/n/**
 * Returns `true` if this character is a title case letter.
 * /n * A character is considered to be a title
 case letter if its [category] is [CharCategory.TITLECASE_LETTER].
 * /n * @sample
 samples.text.Chars.isTitleCase
 * /n @SinceKotlin("1.5")
npublic expect fun Char.isTitleCase(): Boolean
 * /n/n/**
 * Returns `true` if this character is an ISO control character.
 * /n * A character is considered to be an ISO control
 character if its [category] is [CharCategory.CONTROL],
 * meaning the Char is in the range `'\u0000'..' \u001F`
 or in the range `'\u007F'..' \u009F`.
 * /n * @sample samples.text.Chars.isISOControl
 * /n @SinceKotlin("1.5")
npublic expect fun Char.isISOControl(): Boolean
 * /n/n/**
 * Determines whether a
 character is whitespace according to the Unicode standard.
 * Returns `true` if the character is whitespace.
 * /n * @sample samples.text.Chars.isWhitespace
 * /npublic expect fun Char.isWhitespace(): Boolean
 * /n/n/**
 * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.
 * Use of this source code is
 governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
 * /n @npackage
 kotlin
 * /n/n/**
 * Creates a Char with the specified [code], or throws an exception if the [code] is out of
 `Char.MIN_VALUE.code..Char.MAX_VALUE.code`.
 * /n * If the program that calls this function is written in a
 way that only valid [code] is passed as the argument,
 * using the overload that takes a [UShort] argument is
 preferable (`Char(intValue.toUShort())`).
 * That overload doesn't check validity of the argument, and may
 improve program performance when the function is called routinely inside a loop.
 * /n * @sample
 samples.text.Chars.charFromCode
 * /n @SinceKotlin("1.5")
n @WasExperimental(ExperimentalStdlibApi::class)
n @kotlin.internal.InlineOnly
npublic
 c inline fun Char(code: Int): Char {
   if (code < Char.MIN_VALUE.code || code > Char.MAX_VALUE.code) {
     throw IllegalArgumentException("Invalid Char code: $code")
   }
   return code.toChar()
 }
 * /n/n/**
 * Creates a Char with the specified [code].
 * /n * @sample samples.text.Chars.charFromCode

```

```

*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalStdlibApi::class)\n@Suppress("\n_NO_ACTUAL_FOR\n_EXPECT")\n\npublic expect fun Char(code: UShort): Char\n\n*\n*\n * Returns the code of this Char.\n\n*\n * Code of a Char is the value it was constructed with, and the UTF-16 code unit corresponding to this Char.\n\n*\n * @sample\n\nsamples.text.Chars.code\n\n*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\n@Su\nppress("\nDEPRECATION")\n\npublic inline val Char.code: Int get() = this.toInt()\n\n"/*\n * Copyright 2010-2021\n\nJetBrains s.r.o. and Kotlin Programming Language contributors.\n\n * Use of this source code is governed by the\n\nApache 2.0 license that can be found in the license/LICENSE.txt file.\n\n*\n\n\n@file:kotlin.jvm.JvmMultifileClass\n\n@file:kotlin.jvm.JvmName("\nSequencesKt")\n\n\npackage\n\nkotlin.sequences\n\n/\n\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n\n// See:\n\nhttps://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\n/\n\n\nimport kotlin.random.*\n\n*\n\n"/*\n * Returns\n\n`true` if [element] is found in the sequence.\n\n*\n * The operation is _terminal_.\n\n*\n\n\npublic operator fun\n\n<@kotlin.internal.OnlyInputTypes T> Sequence<T>.contains(element: T): Boolean {\n\n    return indexOf(element)\n\n    >= 0\n\n}\n\n"/*\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the\n\n[index] is out of bounds of this sequence.\n\n*\n * The operation is _terminal_.\n\n*\n\n * @sample\n\nsamples.collections.Collections.Elements.elementAt\n\n*\n\n\npublic fun <T> Sequence<T>.elementAt(index: Int): T\n\n{\n\n    return elementAtOrElse(index) {\n\n        throw IndexOutOfBoundsException("\nSequence doesn't contain element at\n\nindex $index.\n\n")\n\n    }\n\n}\n\n"/*\n * Returns an element at the given [index] or the result of calling the [defaultValue]\n\nfunction if the [index] is out of bounds of this sequence.\n\n*\n * The operation is _terminal_.\n\n*\n\n * @sample\n\nsamples.collections.Collections.Elements.elementAtOrElse\n\n*\n\n\npublic fun <T>\n\nSequence<T>.elementAtOrElse(index: Int, defaultValue: (Int) -> T): T {\n\n    if (index < 0)\n\n        return\n\n        defaultValue(index)\n\n    val iterator = iterator()\n\n    var count = 0\n\n    while (iterator.hasNext()) {\n\n        val element\n\n        = iterator.next()\n\n        if (index == count++)\n\n            return element\n\n    }\n\n    return\n\n    defaultValue(index)\n\n}\n\n"/*\n * Returns an element at the given [index] or `null` if the [index] is out of bounds of\n\nthis sequence.\n\n*\n * The operation is _terminal_.\n\n*\n\n * @sample\n\nsamples.collections.Collections.Elements.elementAtOrNull\n\n*\n\n\npublic fun <T>\n\nSequence<T>.elementOrNull(index: Int): T? {\n\n    if (index < 0)\n\n        return null\n\n    val iterator = iterator()\n\n    var count = 0\n\n    while (iterator.hasNext()) {\n\n        val element = iterator.next()\n\n        if (index == count++)\n\n            return element\n\n    }\n\n    return null\n\n}\n\n"/*\n * Returns the first element matching the given [predicate], or `null`\n\nif no such element was found.\n\n*\n * The operation is _terminal_.\n\n*\n\n * @sample\n\nsamples.collections.Collections.Elements.find\n\n*\n\n\n@kotlin.internal.InlineOnly\n\npublic inline fun <T>\n\nSequence<T>.find(predicate: (T) -> Boolean): T? {\n\n    return firstOrNull(predicate)\n\n}\n\n"/*\n * Returns the last\n\nelement matching the given [predicate], or `null` if no such element was found.\n\n*\n * The operation is\n\n_terminal_.\n\n*\n\n * @sample\n\nsamples.collections.Collections.Elements.find\n\n*\n\n\n@kotlin.internal.InlineOnly\n\npublic inline fun <T> Sequence<T>.findLast(predicate: (T) -> Boolean): T? {\n\n    return lastOrNull(predicate)\n\n}\n\n"/*\n * Returns first element.\n\n*\n * @throws [NoSuchElementException] if the\n\nsequence is empty.\n\n*\n * The operation is _terminal_.\n\n*\n\n\npublic fun <T> Sequence<T>.first(): T {\n\n    val\n\n    iterator = iterator()\n\n    if (!iterator.hasNext())\n\n        throw NoSuchElementException("\nSequence is empty.\n\n")\n\n    return iterator.next()\n\n}\n\n"/*\n * Returns the first element matching the given [predicate].\n\n*\n * @throws\n\n[NoSuchElementException] if no such element is found.\n\n*\n * The operation is _terminal_.\n\n*\n\n\npublic inline fun\n\n<T> Sequence<T>.first(predicate: (T) -> Boolean): T {\n\n    for (element in this) if (predicate(element)) return\n\n    element\n\n    throw NoSuchElementException("\nSequence contains no element matching the predicate.\n\n")\n\n}\n\n"/*\n * Returns the first non-null value produced by [transform] function being applied to elements of this sequence in\n\niteration order.\n\n*\n * or throws [NoSuchElementException] if no non-null value was produced.\n\n*\n * The operation\n\nis _terminal_.\n\n*\n\n * @sample\n\nsamples.collections.Collections.Transformations.firstNotNullOf\n\n*\n\n\n@kotlin.internal.InlineOnly\n\npublic inline fun <T, R : Any>\n\nSequence<T>.firstNotNullOf(transform: (T) -> R?): R {\n\n    return firstNotNullOfOrNull(transform) ?: throw\n\n    NoSuchElementException("\nNo element of the sequence was transformed to a non-null value.\n\n")\n\n}\n\n"/*\n *

```

Returns the first non-null value produced by [transform] function being applied to elements of this sequence in iteration order, `null` if no non-null value was produced. The operation is `terminal`.

`@sample samples.collections.Collections.Transformations.firstNotNullOf`

```
*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun <T, R : Any>\nSequence<T>.firstNotNullOfOrNull(transform: (T) -> R?): R? {\n    for (element in this) {\n        val result =\n        transform(element)\n        if (result != null) {\n            return result\n        }\n    }\n    return null\n}\n/**\n * Returns the first element, or `null` if the sequence is empty. The operation is terminal.terminal.terminal.terminal.terminal.terminal.terminal.terminal.terminal.terminal.terminal.

```

```

iterator.next()\n if (iterator.hasNext())\n     throw IllegalArgumentException("Sequence has more than one
element.")\n return single\n}\n\n/**\n * Returns the single element matching the given [predicate], or throws
exception if there is no or more than one matching element.\n *\n * The operation is _terminal_.\n */\npublic inline
fun <T> Sequence<T>.single(predicate: (T) -> Boolean): T {\n    var single: T? = null\n    var found = false\n    for
(element in this) {\n        if (predicate(element)) {\n            if (found) throw IllegalArgumentException("Sequence
contains more than one matching element.")\n            single = element\n            found = true\n        }\n    }\n    if
(!found) throw NoSuchElementException("Sequence contains no element matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as T\n}\n\n/**\n * Returns single element, or `null` if the
sequence is empty or has more than one element.\n *\n * The operation is _terminal_.\n */\npublic fun <T>
Sequence<T>.singleOrNull(): T? {\n    val iterator = iterator()\n    if (!iterator.hasNext())\n        return null\n    val
single = iterator.next()\n    if (iterator.hasNext())\n        return null\n    return single\n}\n\n/**\n * Returns the single
element matching the given [predicate], or `null` if element was not found or more than one element was found.\n
*\n * The operation is _terminal_.\n */\npublic inline fun <T> Sequence<T>.singleOrNull(predicate: (T) ->
Boolean): T? {\n    var single: T? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element))
{\n            if (found) return null\n            single = element\n            found = true\n        }\n    }\n    if (!found) return
null\n    return single\n}\n\n/**\n * Returns a sequence containing all elements except first [n] elements.\n *\n * The
operation is _intermediate_ and _stateless_.\n *\n * @throws IllegalArgumentException if [n] is negative.\n *\n *
@sample samples.collections.Collections.Transformations.drop\n */\npublic fun <T> Sequence<T>.drop(n: Int):
Sequence<T> {\n    require(n >= 0) { "Requested element count $n is less than zero." }\n    return when {\n        n
== 0 -> this\n        this is DropTakeSequence -> this.drop(n)\n        else -> DropSequence(this, n)\n    }\n}\n\n/**\n *
Returns a sequence containing all elements except first elements that satisfy the given [predicate].\n *\n * The
operation is _intermediate_ and _stateless_.\n *\n * @sample
samples.collections.Collections.Transformations.drop\n */\npublic fun <T> Sequence<T>.dropWhile(predicate: (T)
-> Boolean): Sequence<T> {\n    return DropWhileSequence(this, predicate)\n}\n\n/**\n * Returns a sequence
containing only elements matching the given [predicate].\n *\n * The operation is _intermediate_ and _stateless_.\n
*\n * @sample samples.collections.Collections.Filtering.filter\n */\npublic fun <T> Sequence<T>.filter(predicate:
(T) -> Boolean): Sequence<T> {\n    return FilteringSequence(this, true, predicate)\n}\n\n/**\n * Returns a sequence
containing only elements matching the given [predicate].\n *\n * @param [predicate] function that takes the index of an
element and the element itself\n * and returns the result of predicate evaluation on the element.\n *\n * The
operation is _intermediate_ and _stateless_.\n *\n * @sample
samples.collections.Collections.Filtering.filterIndexed\n */\npublic fun <T> Sequence<T>.filterIndexed(predicate:
(index: Int, T) -> Boolean): Sequence<T> {\n    // TODO: Rewrite with generalized MapFilterIndexingSequence\n    return
TransformingSequence(FilteringSequence(IndexingSequence(this), true, { predicate(it.index, it.value) }), {
it.value })\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n *\n * @param
[predicate] function that takes the index of an element and the element itself\n * and returns the result of predicate
evaluation on the element.\n *\n * The operation is _terminal_.\n *\n * @sample
samples.collections.Collections.Filtering.filterIndexedTo\n */\npublic inline fun <T, C : MutableCollection<in T>>
Sequence<T>.filterIndexedTo(destination: C, predicate: (index: Int, T) -> Boolean): C {\n    forEachIndexed {
index, element -> \n        if (predicate(index, element)) destination.add(element)\n    }\n    return
destination\n}\n\n/**\n * Returns a sequence containing all elements that are instances of specified type parameter
R.\n *\n * The operation is _intermediate_ and _stateless_.\n *\n * @sample
samples.collections.Collections.Filtering.filterIsInstance\n */\npublic inline fun <reified R>
Sequence<*>.filterIsInstance(): Sequence<@kotlin.internal.NoInfer R> {\n    @Suppress("UNCHECKED_CAST")\n    return filter { it is R } as Sequence<R>\n}\n\n/**\n * Appends all
elements that are instances of specified type parameter R to the given [destination].\n *\n * The operation is
_terminal_.\n *\n * @sample samples.collections.Collections.Filtering.filterIsInstanceTo\n */\npublic inline fun
<reified R, C : MutableCollection<in R>> Sequence<*>.filterIsInstanceTo(destination: C): C {\n    for (element in
this) if (element is R) destination.add(element)\n    return destination\n}\n\n/**\n * Returns a sequence containing

```



```

override fun iterator(): Iterator<T> {\n        val sortedList = this@sortedWith.toMutableList()\n
sortedList.sortWith(comparator)\n        return sortedList.iterator()\n    }\n}\n}\n}\n\n/**\n * Returns a [Map]\n containing key-value pairs provided by [transform] function\n * applied to elements of the given sequence.\n * \n *\n If any of two pairs would have the same key the last one gets added to the map.\n * \n *\n The returned map preserves\n the entry iteration order of the original sequence.\n * \n *\n The operation is _terminal_.\n * \n *\n @sample\n samples.collections.Collections.Transformations.associate\n */\npublic inline fun <T, K, V>\nSequence<T>.associate(transform: (T) -> Pair<K, V>): Map<K, V> {\n    return associateTo(LinkedHashMap<K,\nV>(), transform)\n}\n}\n}\n\n/**\n * Returns a [Map] containing the elements from the given sequence indexed by the\n key\n * returned from [keySelector] function applied to each element.\n * \n *\n If any two elements would have the\n same key returned by [keySelector] the last one gets added to the map.\n * \n *\n The returned map preserves the entry\n iteration order of the original sequence.\n * \n *\n The operation is _terminal_.\n * \n *\n @sample\n samples.collections.Collections.Transformations.associateBy\n */\npublic inline fun <T, K>\nSequence<T>.associateBy(keySelector: (T) -> K): Map<K, T> {\n    return associateByTo(LinkedHashMap<K,\nT>(), keySelector)\n}\n}\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform] and indexed\n by [keySelector] functions applied to elements of the given sequence.\n * \n *\n If any two elements would have the\n same key returned by [keySelector] the last one gets added to the map.\n * \n *\n The returned map preserves the entry\n iteration order of the original sequence.\n * \n *\n The operation is _terminal_.\n * \n *\n @sample\n samples.collections.Collections.Transformations.associateByWithValueTransform\n */\npublic inline fun <T, K, V>\nSequence<T>.associateBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, V> {\n    return\nassociateByTo(LinkedHashMap<K, V>(), keySelector, valueTransform)\n}\n}\n}\n\n/**\n * Populates and returns the\n [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function applied to\n each element of the given sequence\n * and value is the element itself.\n * \n *\n If any two elements would have the\n same key returned by [keySelector] the last one gets added to the map.\n * \n *\n The operation is _terminal_.\n * \n *\n @sample\n samples.collections.Collections.Transformations.associateByTo\n */\npublic inline fun <T, K, M :\nMutableMap<in K, in T>>\nSequence<T>.associateByTo(destination: M, keySelector: (T) -> K): M {\n    for\n(element in this) {\n        destination.put(keySelector(element), element)\n    }\n    return destination\n}\n}\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the\n [keySelector] function and\n * and value is provided by the [valueTransform] function applied to elements of the\n given sequence.\n * \n *\n If any two elements would have the same key returned by [keySelector] the last one gets\n added to the map.\n * \n *\n The operation is _terminal_.\n * \n *\n @sample\n samples.collections.Collections.Transformations.associateByToWithValueTransform\n */\npublic inline fun <T, K,\nV, M : MutableMap<in K, in V>>\nSequence<T>.associateByTo(destination: M, keySelector: (T) -> K,\nvalueTransform: (T) -> V): M {\n    for (element in this) {\n        destination.put(keySelector(element),\nvalueTransform(element))\n    }\n    return destination\n}\n}\n}\n\n/**\n * Populates and returns the [destination] mutable\n map with key-value pairs\n * provided by [transform] function applied to each element of the given sequence.\n * \n *\n If any of two pairs would have the same key the last one gets added to the map.\n * \n *\n The operation is\n _terminal_.\n * \n *\n @sample\n samples.collections.Collections.Transformations.associateTo\n */\npublic inline fun\n<T, K, V, M : MutableMap<in K, in V>>\nSequence<T>.associateTo(destination: M, transform: (T) -> Pair<K, V>):\nM {\n    for (element in this) {\n        destination += transform(element)\n    }\n    return destination\n}\n}\n}\n\n/**\n * Returns a [Map] where keys are elements from the given sequence and values are\n * produced by the\n [valueSelector] function applied to each element.\n * \n *\n If any two elements are equal, the last one gets added to\n the map.\n * \n *\n The returned map preserves the entry iteration order of the original sequence.\n * \n *\n The\n operation is _terminal_.\n * \n *\n @sample\n samples.collections.Collections.Transformations.associateWith\n */\npublic inline fun\n*@\nSinceKotlin("1.3")\npublic inline fun <K, V>\nSequence<K>.associateWith(valueSelector: (K) -> V):\nMap<K, V> {\n    val result = LinkedHashMap<K, V>()\n    return associateWithTo(result,\nvalueSelector)\n}\n}\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs for each\n element of the given sequence,\n * where key is the element itself and value is provided by the [valueSelector]\n function applied to that key.\n * \n *\n If any two elements are equal, the last one overwrites the former value in the

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map.\n *\n * The operation is _terminal_.\n *\n * @sample
samples.collections.Collections.Transformations.associateWithTo\n *\n @SinceKotlin("1.3")\n public inline fun
<K, V, M : MutableMap<in K, in V>> Sequence<K>.associateWithTo(destination: M, valueSelector: (K) -> V): M
{\n  for (element in this) {\n    destination.put(element, valueSelector(element))\n  }\n  return
destination}\n\n/**\n * Appends all elements to the given [destination] collection.\n *\n * The operation is
_terminal_.\n *\n @public fun <T, C : MutableCollection<in T>> Sequence<T>.toCollection(destination: C): C {\n
for (item in this) {\n  destination.add(item)\n }\n return destination}\n\n/**\n * Returns a new [HashSet] of
all elements.\n *\n * The operation is _terminal_.\n *\n @public fun <T> Sequence<T>.toHashSet(): HashSet<T> {\n
return toCollection(HashSet<T>())}\n\n/**\n * Returns a [List] containing all elements.\n *\n * The operation is
_terminal_.\n *\n @public fun <T> Sequence<T>.toList(): List<T> {\n  return
this.toMutableList().optimizeReadOnlyList()}\n\n/**\n * Returns a new [MutableList] filled with all elements of
this sequence.\n *\n * The operation is _terminal_.\n *\n @public fun <T> Sequence<T>.toMutableList():
MutableList<T> {\n  return toCollection(ArrayList<T>())}\n\n/**\n * Returns a [Set] of all elements.\n *\n *
The returned set preserves the element iteration order of the original sequence.\n *\n * The operation is
_terminal_.\n *\n @public fun <T> Sequence<T>.toSet(): Set<T> {\n  return
toCollection(LinkedHashSet<T>()).optimizeReadOnlySet()}\n\n/**\n * Returns a single sequence of all elements
from results of [transform] function being invoked on each element of original sequence.\n *\n * The operation is
_intermediate_ and _stateless_.\n *\n * @sample samples.collections.Collections.Transformations.flatMap\n
*\n @SinceKotlin("1.4")\n @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n @OverloadResolution
ByLambdaReturnType\n @kotlin.jvm.JvmName("flatMapIterable")\n public fun <T, R>
Sequence<T>.flatMap(transform: (T) -> Iterable<R>): Sequence<R> {\n  return FlatteningSequence(this,
transform, Iterable<R>::iterator)\n}\n\n/**\n * Returns a single sequence of all elements from results of [transform]
function being invoked on each element of original sequence.\n *\n * The operation is _intermediate_ and
_stateless_.\n *\n * @sample samples.collections.Collections.Transformations.flatMap\n *\n @public fun <T, R>
Sequence<T>.flatMap(transform: (T) -> Sequence<R>): Sequence<R> {\n  return FlatteningSequence(this,
transform, Sequence<R>::iterator)\n}\n\n/**\n * Returns a single sequence of all elements yielded from results of
[transform] function being invoked on each element\n * and its index in the original sequence.\n *\n * The operation
is _intermediate_ and _stateless_.\n *\n * @sample
samples.collections.Collections.Transformations.flatMapIndexed\n
*\n @SinceKotlin("1.4")\n @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n @OverloadResolution
ByLambdaReturnType\n @kotlin.jvm.JvmName("flatMapIndexedIterable")\n public fun <T, R>
Sequence<T>.flatMapIndexed(transform: (index: Int, T) -> Iterable<R>): Sequence<R> {\n  return
flatMapIndexed(this, transform, Iterable<R>::iterator)\n}\n\n/**\n * Returns a single sequence of all elements
yielded from results of [transform] function being invoked on each element\n * and its index in the original
sequence.\n *\n * The operation is _intermediate_ and _stateless_.\n *\n * @sample
samples.collections.Collections.Transformations.flatMapIndexed\n
*\n @SinceKotlin("1.4")\n @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n @OverloadResolution
ByLambdaReturnType\n @kotlin.jvm.JvmName("flatMapIndexedSequence")\n public fun <T, R>
Sequence<T>.flatMapIndexed(transform: (index: Int, T) -> Sequence<R>): Sequence<R> {\n  return
flatMapIndexed(this, transform, Sequence<R>::iterator)\n}\n\n/**\n * Appends all elements yielded from results of
[transform] function being invoked on each element\n * and its index in the original sequence, to the given
[destination].\n *\n * The operation is _terminal_.\n
*\n @SinceKotlin("1.4")\n @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n @OverloadResolution
ByLambdaReturnType\n @kotlin.jvm.JvmName("flatMapIndexedIterableTo")\n @kotlin.internal.InlineOnly\n public
inline fun <T, R, C : MutableCollection<in R>> Sequence<T>.flatMapIndexedTo(destination: C, transform:
(index: Int, T) -> Iterable<R>): C {\n  var index = 0\n  for (element in this) {\n    val list =
transform(checkIndexOverflow(index++), element)\n    destination.addAll(list)\n  }\n  return
destination}\n\n/**\n * Appends all elements yielded from results of [transform] function being invoked on each

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element and its index in the original sequence, to the given [destination]. The operation is _terminal_.
@SinceKotlin("1.4")@OptIn(kotlin.experimental.ExperimentalTypeInference::class)@OverloadResolution
ByLambdaReturnType@kotlin.jvm.JvmName("flatMapIndexedSequenceTo")@kotlin.internal.InlineOnly\npu
blic inline fun <T, R, C : MutableCollection<in R>> Sequence<T>.flatMapIndexedTo(destination: C, transform:
(index: Int, T) -> Sequence<R>): C {
    var index = 0
    for (element in this) {
        val list =
transform(checkIndexOverflow(index++), element)
        destination.addAll(list)
    }
    return
destination
}
** Appends all elements yielded from results of [transform] function being invoked on each
element of original sequence, to the given [destination]. The operation is _terminal_.
@SinceKotlin("1.4")@OptIn(kotlin.experimental.ExperimentalTypeInference::class)@OverloadResolution
ByLambdaReturnType@kotlin.jvm.JvmName("flatMapIterableTo")\npublic inline fun <T, R, C :
MutableCollection<in R>> Sequence<T>.flatMapTo(destination: C, transform: (T) -> Iterable<R>): C {
    for
(element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return
destination
}
** Appends all elements yielded from results of [transform] function being invoked on each
element of original sequence, to the given [destination]. The operation is _terminal_.
\npublic inline fun
<T, R, C : MutableCollection<in R>> Sequence<T>.flatMapTo(destination: C, transform: (T) -> Sequence<R>): C
{
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return
destination
}
** Groups elements of the original sequence by the key returned by the given [keySelector]
function applied to each element and returns a map where each group key is associated with a list of
corresponding elements. The returned map preserves the entry iteration order of the keys produced from the
original sequence. The operation is _terminal_.
\n * @sample
samples.collections.Collections.Transformations.groupBy
\n * \npublic inline fun <T, K>
Sequence<T>.groupBy(keySelector: (T) -> K): Map<K, List<T>> {
    return groupByTo(LinkedHashMap<K,
MutableList<T>>(), keySelector)
}
** Groups values returned by the [valueTransform] function applied to
each element of the original sequence by the key returned by the given [keySelector] function applied to the
element and returns a map where each group key is associated with a list of corresponding values. The
returned map preserves the entry iteration order of the keys produced from the original sequence.
\n * The
operation is _terminal_.
\n * @sample
samples.collections.Collections.Transformations.groupByKeysAndValues
\n * \npublic inline fun <T, K, V>
Sequence<T>.groupBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, List<V>> {
    return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)
}
** Groups elements
of the original sequence by the key returned by the given [keySelector] function applied to each element and
puts to the [destination] map each group key associated with a list of corresponding elements.
\n * @return The
[destination] map.
\n * The operation is _terminal_.
\n * @sample
samples.collections.Collections.Transformations.groupBy
\n * \npublic inline fun <T, K, M : MutableMap<in K,
MutableList<T>>> Sequence<T>.groupByTo(destination: M, keySelector: (T) -> K): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<T>() }
list.add(element)
    }
    return destination
}
** Groups values returned by the [valueTransform] function
applied to each element of the original sequence by the key returned by the given [keySelector] function applied
to the element and puts to the [destination] map each group key associated with a list of corresponding values.
\n * @return The [destination] map.
\n * The operation is _terminal_.
\n * @sample
samples.collections.Collections.Transformations.groupByKeysAndValues
\n * \npublic inline fun <T, K, V, M :
MutableMap<in K, MutableList<V>>> Sequence<T>.groupByTo(destination: M, keySelector: (T) -> K,
valueTransform: (T) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list =
destination.getOrPut(key) { ArrayList<V>() }
list.add(valueTransform(element))
    }
    return
destination
}
** Creates a [Grouping] source from a sequence to be used later with one of group-and-fold
operations using the specified [keySelector] function to extract a key from each element. The operation is
_intermediate_ and _stateless_.
\n * @sample samples.collections.Grouping.groupingByEachCount
\n * \npublic inline fun <T, K> Sequence<T>.groupingBy(crossinline keySelector: (T) -> K):

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Grouping<T, K> {\n  return object : Grouping<T, K> {\n    override fun sourceIterator(): Iterator<T> =
this@groupingBy.iterator()\n    override fun keyOf(element: T): K = keySelector(element)\n  }\n}\n\n/**\n * Returns a sequence containing the results of applying the given [transform] function\n * to each element in the original sequence.\n * \n * The operation is _intermediate_ and _stateless_.\n * \n * @sample
samples.collections.Collections.Transformations.map\n * \n\npublic fun <T, R> Sequence<T>.map(transform: (T) ->
R): Sequence<R> {\n  return TransformingSequence(this, transform)\n}\n\n/**\n * Returns a sequence containing
the results of applying the given [transform] function\n * to each element and its index in the original sequence.\n *
@param [transform] function that takes the index of an element and the element itself\n * and returns the result of
the transform applied to the element.\n * \n * The operation is _intermediate_ and _stateless_.\n * \n\npublic fun <T,
R> Sequence<T>.mapIndexed(transform: (index: Int, T) -> R): Sequence<R> {\n  return
TransformingIndexedSequence(this, transform)\n}\n\n/**\n * Returns a sequence containing only the non-null
results of applying the given [transform] function\n * to each element and its index in the original sequence.\n *
@param [transform] function that takes the index of an element and the element itself\n * and returns the result of
the transform applied to the element.\n * \n * The operation is _intermediate_ and _stateless_.\n * \n\npublic fun <T,
R : Any> Sequence<T>.mapIndexedNotNull(transform: (index: Int, T) -> R?): Sequence<R> {\n  return
TransformingIndexedSequence(this, transform).filterNotNull()\n}\n\n/**\n * Applies the given [transform] function
to each element and its index in the original sequence\n * and appends only the non-null results to the given
[destination].\n * \n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n * \n * The operation is _terminal_.\n * \n\npublic inline fun
<T, R : Any, C : MutableCollection<in R>> Sequence<T>.mapIndexedNotNullTo(destination: C, transform: (index:
Int, T) -> R?): C {\n  forEachIndexed { index, element -> transform(index, element)?.let { destination.add(it) } }\n
return destination\n}\n\n/**\n * Applies the given [transform] function to each element and its index in the original
sequence\n * and appends the results to the given [destination].\n * \n * @param [transform] function that takes the
index of an element and the element itself\n * and returns the result of the transform applied to the element.\n * \n
The operation is _terminal_.\n * \n\npublic inline fun <T, R, C : MutableCollection<in R>>
Sequence<T>.mapIndexedTo(destination: C, transform: (index: Int, T) -> R): C {\n  var index = 0\n  for (item in
this)\n    destination.add(transform(checkIndexOverflow(index++), item))\n  return destination\n}\n\n/**\n * Returns a sequence containing only the non-null results of applying the given [transform] function\n * to each
element in the original sequence.\n * \n * The operation is _intermediate_ and _stateless_.\n * \n * @sample
samples.collections.Collections.Transformations.mapNotNull\n * \n\npublic fun <T, R : Any>
Sequence<T>.mapNotNull(transform: (T) -> R?): Sequence<R> {\n  return TransformingSequence(this,
transform).filterNotNull()\n}\n\n/**\n * Applies the given [transform] function to each element in the original
sequence\n * and appends only the non-null results to the given [destination].\n * \n * The operation is _terminal_.\n *
\n\npublic inline fun <T, R : Any, C : MutableCollection<in R>> Sequence<T>.mapNotNullTo(destination: C,
transform: (T) -> R?): C {\n  forEach { element -> transform(element)?.let { destination.add(it) } }\n  return
destination\n}\n\n/**\n * Applies the given [transform] function to each element of the original sequence\n * and
appends the results to the given [destination].\n * \n * The operation is _terminal_.\n * \n\npublic inline fun <T, R, C :
MutableCollection<in R>> Sequence<T>.mapTo(destination: C, transform: (T) -> R): C {\n  for (item in this)\n
destination.add(transform(item))\n  return destination\n}\n\n/**\n * Returns a sequence that wraps each element of
the original sequence\n * into an [IndexedValue] containing the index of that element and the element itself.\n * \n
The operation is _intermediate_ and _stateless_.\n * \n\npublic fun <T> Sequence<T>.withIndex():
Sequence<IndexedValue<T>> {\n  return IndexingSequence(this)\n}\n\n/**\n * Returns a sequence containing
only distinct elements from the given sequence.\n * \n * Among equal elements of the given sequence, only the first
one will be present in the resulting sequence.\n * \n * The elements in the resulting sequence are in the same order as
they were in the source sequence.\n * \n * The operation is _intermediate_ and _stateful_.\n * \n * @sample
samples.collections.Collections.Transformations.distinctAndDistinctBy\n * \n\npublic fun <T>
Sequence<T>.distinct(): Sequence<T> {\n  return this.distinctBy { it }\n}\n\n/**\n * Returns a sequence
containing only elements from the given sequence\n * having distinct keys returned by the given [selector]

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function.  
 \* Among elements of the given sequence with equal keys, only the first one will be present in the resulting sequence.  
 \* The elements in the resulting sequence are in the same order as they were in the source sequence.  
 \* The operation is `_intermediate_` and `_stateful_`.  
 \* `@sample`  
`samples.collections.Collections.Transformations.distinctAndDistinctBy`  
`public fun <T, K>`  
`Sequence<T>.distinctBy(selector: (T) -> K): Sequence<T> {`  
 `return DistinctSequence(this, selector)`  
`}`  
 \* Returns a new `[MutableSet]` containing all distinct elements from the given sequence.  
 \* The returned set preserves the element iteration order of the original sequence.  
 \* The operation is `_terminal_`.  
`public fun`  
`<T> Sequence<T>.toMutableSet(): MutableSet<T> {`  
 `val set = LinkedHashSet<T>()`  
 `for (item in this)`  
 `set.add(item)`  
 `return set`  
`}`  
 \* Returns ``true`` if all elements match the given `[predicate]`.  
 \* The operation is `_terminal_`.  
 \* `@sample`  
`samples.collections.Collections.Aggregates.all`  
`public inline fun`  
`<T> Sequence<T>.all(predicate: (T) -> Boolean): Boolean {`  
 `for (element in this) if (!predicate(element)) return`  
`false`  
 `return true`  
`}`  
 \* Returns ``true`` if sequence has at least one element.  
 \* The operation is `_terminal_`.  
 \* `@sample`  
`samples.collections.Collections.Aggregates.any`  
`public fun <T>`  
`Sequence<T>.any(): Boolean {`  
 `return iterator().hasNext()`  
`}`  
 \* Returns ``true`` if at least one element matches the given `[predicate]`.  
 \* The operation is `_terminal_`.  
 \* `@sample`  
`samples.collections.Collections.Aggregates.anyWithPredicate`  
`public inline fun <T>`  
`Sequence<T>.any(predicate: (T) -> Boolean): Boolean {`  
 `for (element in this) if (predicate(element)) return`  
`true`  
 `return false`  
`}`  
 \* Returns the number of elements in this sequence.  
 \* The operation is `_terminal_`.  
`public fun <T> Sequence<T>.count(): Int {`  
 `var count = 0`  
 `for (element in this)`  
 `checkCountOverflow(++count)`  
 `return count`  
`}`  
 \* Returns the number of elements matching the given `[predicate]`.  
 \* The operation is `_terminal_`.  
`public inline fun <T> Sequence<T>.count(predicate: (T) ->`  
`Boolean): Int {`  
 `var count = 0`  
 `for (element in this) if (predicate(element)) checkCountOverflow(++count)`  
 `return count`  
`}`  
 \* Accumulates value starting with `[initial]` value and applying `[operation]` from left to right  
 \* to current accumulator value and each element.  
 \* Returns the specified `[initial]` value if the sequence is empty.  
 \* `@param [operation]` function that takes current accumulator value and an element, and calculates the next accumulator value.  
 \* The operation is `_terminal_`.  
`public inline fun <T, R>`  
`Sequence<T>.fold(initial: R, operation: (acc: R, T) -> R): R {`  
 `var accumulator = initial`  
 `for (element in this)`  
 `accumulator = operation(accumulator, element)`  
 `return accumulator`  
`}`  
 \* Accumulates value starting with `[initial]` value and applying `[operation]` from left to right  
 \* to current accumulator value and each element with its index in the original sequence.  
 \* Returns the specified `[initial]` value if the sequence is empty.  
 \* `@param [operation]` function that takes the index of an element, current accumulator value  
 \* and the element itself, and calculates the next accumulator value.  
 \* The operation is `_terminal_`.  
`public inline fun <T, R>`  
`Sequence<T>.foldIndexed(initial: R, operation: (index: Int, acc: R, T) -> R): R {`  
 `var index = 0`  
 `var accumulator = initial`  
 `for (element in this) accumulator = operation(checkIndexOverflow(index++), accumulator,`  
`element)`  
 `return accumulator`  
`}`  
 \* Performs the given `[action]` on each element.  
 \* The operation is `_terminal_`.  
`public inline fun <T> Sequence<T>.forEach(action: (T) -> Unit): Unit {`  
 `for (element in this)`  
 `action(element)`  
`}`  
 \* Performs the given `[action]` on each element, providing sequential index with the element.  
 \* `@param [action]` function that takes the index of an element and the element itself  
 \* and performs the action on the element.  
 \* The operation is `_terminal_`.  
`public inline fun <T>`  
`Sequence<T>.forEachIndexed(action: (index: Int, T) -> Unit): Unit {`  
 `var index = 0`  
 `for (item in this)`  
 `action(checkIndexOverflow(index++), item)`  
`}`  
`@Deprecated("Use maxOrNull instead.")`  
`ReplaceWith("this.maxOrNull()")`  
`@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",`  
`hiddenSince = "1.6")`  
`@SinceKotlin("1.1")`  
`public fun Sequence<Double>.max(): Double? {`  
 `return`  
`maxOrNull()`  
`}`  
`@Deprecated("Use maxOrNull instead.")`  
`ReplaceWith("this.maxOrNull()")`  
`@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",`  
`hiddenSince = "1.6")`  
`@SinceKotlin("1.1")`  
`public fun Sequence<Float>.max(): Float? {`  
 `return`  
`maxOrNull()`  
`}`  
`@Deprecated("Use maxOrNull instead.")`  
`ReplaceWith("this.maxOrNull()")`  
`@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",`

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hiddenSince = \"1.6\")\npublic fun <T : Comparable<T>> Sequence<T>.max(): T? {\n    return
maxOrNull()\n}\n\n@Deprecated(\"Use maxByOrNull instead.\",
ReplaceWith(\"this.maxByOrNull(selector)\"))\n@DeprecatedSinceKotlin(warningSince = \"1.4\", errorSince =
\"1.5\", hiddenSince = \"1.6\")\npublic inline fun <T, R : Comparable<R>> Sequence<T>.maxBy(selector: (T) ->
R): T? {\n    return maxByOrNull(selector)\n}\n\n/**\n * Returns the first element yielding the largest value of the
given function or `null` if there are no elements.\n * \n * The operation is _terminal_.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n * \n * @SinceKotlin(\"1.4\")\npublic inline fun <T, R :
Comparable<R>> Sequence<T>.maxByOrNull(selector: (T) -> R): T? {\n    val iterator = iterator()\n    if
(!iterator.hasNext()) return null\n    var maxElem = iterator.next()\n    if (!iterator.hasNext()) return maxElem\n    var
maxValue = selector(maxElem)\n    do {\n        val e = iterator.next()\n        val v = selector(e)\n        if (maxValue <
v) {\n            maxElem = e\n            maxValue = v\n        }\n    } while (iterator.hasNext())\n    return
maxElem\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the sequence.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result
is `NaN`.\n * \n * @throws NoSuchElementException if the sequence is empty.\n * \n * The operation is
_terminal_.\n
*\n * @SinceKotlin(\"1.4\")\n * @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n * @OverloadResolution
ByLambdaReturnType\n * @kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>.maxOf(selector: (T) ->
Double): Double {\n    val iterator = iterator()\n    if (!iterator.hasNext()) throw NoSuchElementException()\n    var
maxValue = selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v = selector(iterator.next())\n
maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all
values produced by [selector] function\n * applied to each element in the sequence.\n * \n * If any of values
produced by [selector] function is `NaN`, the returned result is `NaN`.\n * \n * @throws NoSuchElementException
if the sequence is empty.\n * \n * The operation is _terminal_.\n
*\n * @SinceKotlin(\"1.4\")\n * @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n * @OverloadResolution
ByLambdaReturnType\n * @kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>.maxOf(selector: (T) ->
Float): Float {\n    val iterator = iterator()\n    if (!iterator.hasNext()) throw NoSuchElementException()\n    var
maxValue = selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v = selector(iterator.next())\n
maxValue = maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all
values produced by [selector] function\n * applied to each element in the sequence.\n * \n * @throws
NoSuchElementException if the sequence is empty.\n * \n * The operation is _terminal_.\n
*\n * @SinceKotlin(\"1.4\")\n * @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n * @OverloadResolution
ByLambdaReturnType\n * @kotlin.internal.InlineOnly\npublic inline fun <T, R : Comparable<R>>
Sequence<T>.maxOf(selector: (T) -> R): R {\n    val iterator = iterator()\n    if (!iterator.hasNext()) throw
NoSuchElementException()\n    var maxValue = selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v
= selector(iterator.next())\n        if (maxValue < v) {\n            maxValue = v\n        }\n    }\n    return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each element in the sequence or `null` if there are no elements.\n * \n * If any of values produced by [selector]
function is `NaN`, the returned result is `NaN`.\n * \n * The operation is _terminal_.\n
*\n * @SinceKotlin(\"1.4\")\n * @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n * @OverloadResolution
ByLambdaReturnType\n * @kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>.maxOfOrNull(selector:
(T) -> Double): Double? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var maxValue =
selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v = selector(iterator.next())\n        maxValue =
maxOf(maxValue, v)\n    }\n    return maxValue\n}\n\n/**\n * Returns the largest value among all values produced
by [selector] function\n * applied to each element in the sequence or `null` if there are no elements.\n * \n * If any of
values produced by [selector] function is `NaN`, the returned result is `NaN`.\n * \n * The operation is
_terminal_.\n
*\n * @SinceKotlin(\"1.4\")\n * @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n * @OverloadResolution
ByLambdaReturnType\n * @kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>.maxOfOrNull(selector:
(T) -> Float): Float? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var maxValue =

```

```

selector(iterator.next())\n while (iterator.hasNext()) {\n     val v = selector(iterator.next())\n     max\nValue =\nmaxOf(max\nValue, v)\n }\n return max\nValue\n}\n\n/**\n * Returns the largest value among all values produced\n by [selector] function\n * applied to each element in the sequence or `null` if there are no elements.\n *\n * The\n operation is _terminal_.\n\n*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R : Comparable<R>>\nSequence<T>.maxOfOrNull(selector: (T) -> R): R? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return\nnull\n    var max\nValue = selector(iterator.next())\n    while (iterator.hasNext()) {\n        val v =\nselector(iterator.next())\n        if (max\nValue < v) {\n            max\nValue = v\n        }\n    }\n    return\nmax\nValue\n}\n\n/**\n * Returns the largest value according to the provided [comparator]\n * among all values\n produced by [selector] function applied to each element in the sequence.\n *\n * @throws\n NoSuchElementException if the sequence is empty.\n *\n * The operation is _terminal_.\n\n*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R>\nSequence<T>.maxOfWith(comparator: Comparator<in R>, selector: (T) -> R): R {\n    val iterator = iterator()\n    if\n(!iterator.hasNext()) throw NoSuchElementException()\n    var max\nValue = selector(iterator.next())\n    while\n(iterator.hasNext()) {\n        val v = selector(iterator.next())\n        if (comparator.compare(max\nValue, v) < 0) {\n            max\nValue = v\n        }\n    }\n    return max\nValue\n}\n\n/**\n * Returns the largest value according to the provided\n [comparator]\n * among all values produced by [selector] function applied to each element in the sequence or `null`\n if there are no elements.\n *\n * The operation is _terminal_.\n\n*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <T, R>\nSequence<T>.maxOfWithOrNull(comparator: Comparator<in R>, selector: (T) -> R): R? {\n    val iterator =\niterator()\n    if (!iterator.hasNext()) return null\n    var max\nValue = selector(iterator.next())\n    while\n(iterator.hasNext()) {\n        val v = selector(iterator.next())\n        if (comparator.compare(max\nValue, v) < 0) {\n            max\nValue = v\n        }\n    }\n    return max\nValue\n}\n\n/**\n * Returns the largest element or `null` if there are no\n elements.\n *\n * If any of elements is `NaN` returns `NaN`.\n *\n * The operation is _terminal_.\n\n*\n@SinceKotlin("1.4")\npublic fun Sequence<Double>.maxOrNull(): Double? {\n    val iterator = iterator()\n    if\n(!iterator.hasNext()) return null\n    var max = iterator.next()\n    while (iterator.hasNext()) {\n        val e =\niterator.next()\n        max = maxOf(max, e)\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if\n there are no elements.\n *\n * If any of elements is `NaN` returns `NaN`.\n *\n * The operation is _terminal_.\n\n*\n@SinceKotlin("1.4")\npublic fun Sequence<Float>.maxOrNull(): Float? {\n    val iterator = iterator()\n    if\n(!iterator.hasNext()) return null\n    var max = iterator.next()\n    while (iterator.hasNext()) {\n        val e =\niterator.next()\n        max = maxOf(max, e)\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if\n there are no elements.\n *\n * The operation is _terminal_.\n\n*\n@SinceKotlin("1.4")\npublic fun <T : Comparable<T>> Sequence<T>.maxOrNull(): T? {\n    val iterator = iterator()\n    if\n(!iterator.hasNext()) return\nnull\n    var max = iterator.next()\n    while (iterator.hasNext()) {\n        val e = iterator.next()\n        if (max < e) max\n= e\n    }\n    return max\n}\n\n@Deprecated("Use maxWithOrNull instead.")\nReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",\nhiddenSince = "1.6")\npublic fun <T> Sequence<T>.maxWith(comparator: Comparator<in T>): T? {\n    return\nmax\nWithOrNull(comparator)\n}\n\n/**\n * Returns the first element having the largest value according to the\n provided [comparator] or `null` if there are no elements.\n *\n * The operation is _terminal_.\n\n*\n@SinceKotlin("1.4")\npublic fun <T> Sequence<T>.maxWithOrNull(comparator: Comparator<in T>): T? {\n    val\niterator = iterator()\n    if (!iterator.hasNext()) return null\n    var max = iterator.next()\n    while\n(iterator.hasNext()) {\n        val e = iterator.next()\n        if (comparator.compare(max, e) < 0) max = e\n    }\n    return\nmax\n}\n\n@Deprecated("Use minOrNull instead.")\nReplaceWith("this.minOrNull()")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",\nhiddenSince = "1.6")\n@SinceKotlin("1.1")\npublic fun Sequence<Double>.min(): Double? {\n    return

```



by [selector] function applied to each element in the sequence or `null` if there are no elements. If any of values produced by [selector] function is `NaN`, the returned result is `NaN`. The operation is `_terminal_`.

```

*SinceKotlin("1.4")OptIn(kotlin.experimental.ExperimentalTypeInference::class)OverloadResolution
ByLambdaReturnType@kotlin.internal.InlineOnly
public inline fun <T> Sequence<T>.minOrNull(selector:
(T) -> Float): Float? {
    val iterator = iterator()
    if (!iterator.hasNext()) return null
    var minValue =
selector(iterator.next())
    while (iterator.hasNext()) {
        val v = selector(iterator.next())
        minValue =
minOf(minValue, v)
    }
    return minValue
}

```

Returns the smallest value among all values produced by [selector] function applied to each element in the sequence or `null` if there are no elements. The operation is `_terminal_`.

```

*SinceKotlin("1.4")OptIn(kotlin.experimental.ExperimentalTypeInference::class)OverloadResolution
ByLambdaReturnType@kotlin.internal.InlineOnly
public inline fun <T, R : Comparable<R>>
Sequence<T>.minOrNull(selector: (T) -> R): R? {
    val iterator = iterator()
    if (!iterator.hasNext()) return
null
    var minValue = selector(iterator.next())
    while (iterator.hasNext()) {
        val v =
selector(iterator.next())
        if (minValue > v) {
            minValue = v
        }
    }
    return
minValue
}

```

Returns the smallest value according to the provided [comparator] among all values produced by [selector] function applied to each element in the sequence. @throws `NoSuchElementException` if the sequence is empty. The operation is `_terminal_`.

```

*SinceKotlin("1.4")OptIn(kotlin.experimental.ExperimentalTypeInference::class)OverloadResolution
ByLambdaReturnType@kotlin.internal.InlineOnly
public inline fun <T, R>
Sequence<T>.minOfWith(comparator: Comparator<in R>, selector: (T) -> R): R {
    val iterator = iterator()
    if (!iterator.hasNext()) throw NoSuchElementException()
    var minValue = selector(iterator.next())
    while (iterator.hasNext()) {
        val v = selector(iterator.next())
        if (comparator.compare(minValue, v) > 0) {
            minValue = v
        }
    }
    return minValue
}

```

Returns the smallest value according to the provided [comparator] among all values produced by [selector] function applied to each element in the sequence or `null` if there are no elements. The operation is `_terminal_`.

```

*SinceKotlin("1.4")OptIn(kotlin.experimental.ExperimentalTypeInference::class)OverloadResolution
ByLambdaReturnType@kotlin.internal.InlineOnly
public inline fun <T, R>
Sequence<T>.minOfWithOrNull(comparator: Comparator<in R>, selector: (T) -> R): R? {
    val iterator =
iterator()
    if (!iterator.hasNext()) return null
    var minValue = selector(iterator.next())
    while (iterator.hasNext()) {
        val v = selector(iterator.next())
        if (comparator.compare(minValue, v) > 0) {
            minValue = v
        }
    }
    return minValue
}

```

Returns the smallest element or `null` if there are no elements. If any of elements is `NaN` returns `NaN`. The operation is `_terminal_`.

```

*SinceKotlin("1.4")
public fun Sequence<Double>.minOrNull(): Double? {
    val iterator = iterator()
    if (!iterator.hasNext()) return null
    var min = iterator.next()
    while (iterator.hasNext()) {
        val e =
iterator.next()
        min = minOf(min, e)
    }
    return min
}

```

Returns the smallest element or `null` if there are no elements. If any of elements is `NaN` returns `NaN`. The operation is `_terminal_`.

```

*SinceKotlin("1.4")
public fun Sequence<Float>.minOrNull(): Float? {
    val iterator = iterator()
    if (!iterator.hasNext()) return null
    var min = iterator.next()
    while (iterator.hasNext()) {
        val e =
iterator.next()
        min = minOf(min, e)
    }
    return min
}

```

Returns the smallest element or `null` if there are no elements. The operation is `_terminal_`.

```

*SinceKotlin("1.4")
public fun <T :
Comparable<T>> Sequence<T>.minOrNull(): T? {
    val iterator = iterator()
    if (!iterator.hasNext()) return
null
    var min = iterator.next()
    while (iterator.hasNext()) {
        val e = iterator.next()
        if (min > e) min
= e
    }
    return min
}

```

Use `minWithOrNull` instead.

```

ReplaceWith("this.minWithOrNull(comparator)")
@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")
public fun <T> Sequence<T>.minWith(comparator: Comparator<in T>): T? {
    return minWithOrNull(comparator)
}

```

Returns the first element having the smallest value according to the provided [comparator] or `null` if there are no elements. The operation is `_terminal_`.

```

*SinceKotlin("1.4")
public fun <T> Sequence<T>.minWithOrNull(comparator: Comparator<in T>): T? {

```

```

val iterator = iterator()\n  if (!iterator.hasNext()) return null\n  var min = iterator.next()\n  while
(iterator.hasNext()) {\n    val e = iterator.next()\n    if (comparator.compare(min, e) > 0) min = e\n  }\n  return
min\n}\n\n/**\n * Returns `true` if the sequence has no elements.\n * \n * The operation is _terminal_.\n * \n *
@sample samples.collections.Collections.Aggregates.none\n */\npublic fun <T> Sequence<T>.none(): Boolean {\n
return !iterator().hasNext()\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * The
operation is _terminal_.\n * \n * @sample samples.collections.Collections.Aggregates.noneWithPredicate\n */\npublic inline fun <T> Sequence<T>.none(predicate: (T) -> Boolean): Boolean {\n
for (element in this) if
(predicate(element)) return false\n  return true\n}\n\n/**\n * Returns a sequence which performs the given [action]
on each element of the original sequence as they pass through it.\n * \n * The operation is _intermediate_ and
_stateless_.\n * \n * @SinceKotlin("1.1")\n */\npublic fun <T> Sequence<T>.onEach(action: (T) -> Unit): Sequence<T>
{\n  return map {\n    action(it)\n    it\n  }\n}\n\n/**\n * Returns a sequence which performs the given
[action] on each element of the original sequence as they pass through it.\n * \n * @param [action] function that takes
the index of an element and the element itself\n * and performs the action on the element.\n * \n * The operation is
_intermediate_ and _stateless_.\n * \n * @SinceKotlin("1.4")\n */\npublic fun <T> Sequence<T>.onEachIndexed(action:
(index: Int, T) -> Unit): Sequence<T> {\n  return mapIndexed { index, element ->\n    action(index, element)\n
element\n  }\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
right\n * to current accumulator value and each element.\n * \n * Throws an exception if this sequence is empty. If
the sequence can be empty in an expected way,\n * please use [reduceOrNull] instead. It returns `null` when its
receiver is empty.\n * \n * @param [operation] function that takes current accumulator value and an element,\n * and
calculates the next accumulator value.\n * \n * The operation is _terminal_.\n * \n * @sample
samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun <S, T : S>
Sequence<T>.reduce(operation: (acc: S, T) -> S): S {\n  val iterator = this.iterator()\n  if (!iterator.hasNext())
throw UnsupportedOperationException("Empty sequence can't be reduced.")\n  var accumulator: S =
iterator.next()\n  while (iterator.hasNext()) {\n    accumulator = operation(accumulator, iterator.next())\n  }\n
return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from
left to right\n * to current accumulator value and each element with its index in the original sequence.\n * \n *
Throws an exception if this sequence is empty. If the sequence can be empty in an expected way,\n * please use
[reduceIndexedOrNull] instead. It returns `null` when its receiver is empty.\n * \n * @param [operation] function
that takes the index of an element, current accumulator value and the element itself,\n * and calculates the next
accumulator value.\n * \n * The operation is _terminal_.\n * \n * @sample
samples.collections.Collections.Aggregates.reduce\n */\npublic inline fun <S, T : S>
Sequence<T>.reduceIndexed(operation: (index: Int, acc: S, T) -> S): S {\n  val iterator = this.iterator()\n  if
(!iterator.hasNext()) throw UnsupportedOperationException("Empty sequence can't be reduced.")\n  var index =
1\n  var accumulator: S = iterator.next()\n  while (iterator.hasNext()) {\n    accumulator =
operation(checkIndexOverflow(index++), accumulator, iterator.next())\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current
accumulator value and each element with its index in the original sequence.\n * \n * Returns `null` if the sequence is
empty.\n * \n * @param [operation] function that takes the index of an element, current accumulator value and the
element itself,\n * and calculates the next accumulator value.\n * \n * The operation is _terminal_.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceOrNull\n */\npublic inline fun <S, T : S>
Sequence<T>.reduceIndexedOrNull(operation: (index: Int, acc: S, T) -> S): S? {\n  val iterator = this.iterator()\n
if (!iterator.hasNext()) return null\n  var index = 1\n  var accumulator: S = iterator.next()\n  while
(iterator.hasNext()) {\n    accumulator = operation(checkIndexOverflow(index++), accumulator, iterator.next())\n
}\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation]
from left to right\n * to current accumulator value and each element.\n * \n * Returns `null` if the sequence is
empty.\n * \n * @param [operation] function that takes current accumulator value and an element,\n * and calculates
the next accumulator value.\n * \n * The operation is _terminal_.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceOrNull\n

```

```

*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun <S, T : S>
Sequence<T>.reduceOrNull(operation: (acc: S, T) -> S): S? {\n    val iterator = this.iterator()\n    if
(iterator.hasNext()) return null\n    var accumulator: S = iterator.next()\n    while (iterator.hasNext()) {\n
accumulator = operation(accumulator, iterator.next())\n    }\n    return accumulator\n}\n\n/**\n * Returns a sequence
containing successive accumulation values generated by applying [operation] from left to right\n * to each element
and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation]
function should not be mutated;\n * otherwise it would affect the previous value in resulting sequence.\n * The
[initial] value should also be immutable (or should not be mutated)\n * as it may be passed to [operation] function
later because of sequence's lazy nature.\n * \n * @param [operation] function that takes current accumulator value
and an element, and calculates the next accumulator value.\n *\n * The operation is _intermediate_ and
_stateless_.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\npublic fun <T, R> Sequence<T>.runningFold(initial: R, operation: (acc: R, T) -> R):
Sequence<R> {\n    return sequence {\n        yield(initial)\n        var accumulator = initial\n        for (element in
this@runningFold) {\n            accumulator = operation(accumulator, element)\n            yield(accumulator)\n        }\n
}\n}\n\n/**\n * Returns a sequence containing successive accumulation values generated by applying [operation]
from left to right\n * to each element, its index in the original sequence and current accumulator value that starts
with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n *
otherwise it would affect the previous value in resulting sequence.\n * The [initial] value should also be immutable
(or should not be mutated)\n * as it may be passed to [operation] function later because of sequence's lazy nature.\n
*\n * @param [operation] function that takes the index of an element, current accumulator value\n * and the
element itself, and calculates the next accumulator value.\n *\n * The operation is _intermediate_ and _stateless_.\n
*\n * @sample samples.collections.Collections.Aggregates.runningFold\n
*\n@SinceKotlin("1.4")\npublic fun
<T, R> Sequence<T>.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, T) -> R): Sequence<R> {\n
return sequence {\n    yield(initial)\n    var index = 0\n    var accumulator = initial\n    for (element in
this@runningFoldIndexed) {\n        accumulator = operation(checkIndexOverflow(index++), accumulator,
element)\n        yield(accumulator)\n    }\n}\n}\n\n/**\n * Returns a sequence containing successive
accumulation values generated by applying [operation] from left to right\n * to each element and current
accumulator value that starts with the first element of this sequence.\n * \n * Note that `acc` value passed to
[operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting sequence.\n
*\n * @param [operation] function that takes current accumulator value and the element, and calculates the next
accumulator value.\n *\n * The operation is _intermediate_ and _stateless_.\n * \n * @sample
samples.collections.Collections.Aggregates.runningReduce\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun <S, T : S>
Sequence<T>.runningReduce(operation: (acc: S, T) -> S): Sequence<S> {\n    return sequence {\n        val iterator =
iterator()\n        if (iterator.hasNext()) {\n            var accumulator: S = iterator.next()\n            yield(accumulator)\n
            while (iterator.hasNext()) {\n                accumulator = operation(accumulator, iterator.next())\n
yield(accumulator)\n            }\n        }\n    }\n}\n\n/**\n * Returns a sequence containing successive accumulation
values generated by applying [operation] from left to right\n * to each element, its index in the original sequence and
current accumulator value that starts with the first element of this sequence.\n * \n * Note that `acc` value passed to
[operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting sequence.\n
*\n * @param [operation] function that takes the index of an element, current accumulator value\n * and the
element itself, and calculates the next accumulator value.\n *\n * The operation is _intermediate_ and _stateless_.\n
*\n * @sample samples.collections.Collections.Aggregates.runningReduce\n
*\n@SinceKotlin("1.4")\npublic fun
<S, T : S> Sequence<T>.runningReduceIndexed(operation: (index: Int, acc: S, T) -> S): Sequence<S> {\n    return
sequence {\n        val iterator = iterator()\n        if (iterator.hasNext()) {\n            var accumulator: S =
iterator.next()\n            yield(accumulator)\n            var index = 1\n            while (iterator.hasNext()) {\n
accumulator = operation(checkIndexOverflow(index++), accumulator, iterator.next())\n
yield(accumulator)\n            }\n        }\n    }\n}\n\n/**\n * Returns a sequence containing successive accumulation

```

values generated by applying [operation] from left to right to each element and current accumulator value that starts with [initial] value. Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting sequence. The [initial] value should also be immutable (or should not be mutated) as it may be passed to [operation] function later because of sequence's lazy nature. @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value. The operation is `_intermediate_` and `_stateless_`. @sample

`samples.collections.Collections.Aggregates.scan`

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun <T, R>
```

```
Sequence<T>.scan(initial: R, operation: (acc: R, T) -> R): Sequence<R> {\n    return runningFold(initial,\n        operation)\n}
```

Returns a sequence containing successive accumulation values generated by applying [operation] from left to right to each element, its index in the original sequence and current accumulator value that starts with [initial] value. Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting sequence. The [initial] value should also be immutable (or should not be mutated) as it may be passed to [operation] function later because of sequence's lazy nature. @param [operation] function that takes the index of an element, current accumulator value and the element itself, and calculates the next accumulator value. The operation is `_intermediate_` and `_stateless_`. @sample `samples.collections.Collections.Aggregates.scan`

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun <T, R>
```

```
Sequence<T>.scanIndexed(initial: R, operation: (index: Int, acc: R, T) -> R): Sequence<R> {\n    return\n        runningFoldIndexed(initial, operation)\n}
```

Returns the sum of all values produced by [selector] function applied to each element in the sequence. The operation is `_terminal_`. @Deprecated("Use `sumOf` instead.", ReplaceWith("this.sumOf(selector)")) @DeprecatedSinceKotlin(warningSince = "1.5") public inline fun <T> Sequence<T>.sumBy(selector: (T) -> Int): Int { var sum: Int = 0 for (element in this) { sum += selector(element) } return sum } Returns the sum of all values produced by [selector] function applied to each element in the sequence. The operation is `_terminal_`. @Deprecated("Use `sumOf` instead.", ReplaceWith("this.sumOf(selector)")) @DeprecatedSinceKotlin(warningSince = "1.5") public inline fun <T> Sequence<T>.sumByDouble(selector: (T) -> Double): Double { var sum: Double = 0.0 for (element in this) { sum += selector(element) } return sum } Returns the sum of all values produced by [selector] function applied to each element in the sequence. The operation is `_terminal_`.

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun\n<T> Sequence<T>.sumOf(selector: (T) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element\n        in this) {\n        sum += selector(element)\n    }\n    return sum\n}
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun <T>\nSequence<T>.sumOf(selector: (T) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum +=\n            selector(element)\n    }\n    return sum\n}
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfLong")\n@kotlin.internal.InlineOnly\npublic inline fun\n<T> Sequence<T>.sumOf(selector: (T) -> Long): Long {\n    var sum: Long = 0.toLong()\n    for (element in this)\n        {\n        sum += selector(element)\n    }\n    return sum\n}
```

```
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfUInt")\n@WasExperimental(ExperimentalUnsignedType\ns::class)\n@kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>.sumOf(selector: (T) -> UInt): UInt {\n
```

```

var sum: UInt = 0.toUInt()\n for (element in this) {\n     sum += selector(element)\n }\n return
sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the
sequence.\n *\n * The operation is _terminal_.\n
*/\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedTy
pes::class)\n@kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>.sumOf(selector: (T) -> ULong):
ULong {\n     var sum: ULong = 0.toULong()\n     for (element in this) {\n         sum += selector(element)\n     }\n     return sum\n}\n\n/**\n * Returns an original collection containing all the non-`null` elements, throwing an
[IllegalArgumentException] if there are any `null` elements.\n *\n * The operation is _intermediate_ and
_stateless_.\n */\npublic fun <T : Any> Sequence<T?>.requireNonNulls(): Sequence<T> {\n     return map { it ?:
throw IllegalArgumentException("null element found in $this.") }\n}\n\n/**\n * Splits this sequence into a
sequence of lists each not exceeding the given [size].\n *\n * The last list in the resulting sequence may have fewer
elements than the given [size].\n *\n * @param size the number of elements to take in each list, must be positive
and can be greater than the number of elements in this sequence.\n *\n * The operation is _intermediate_ and
_stateful_.\n *\n * @sample samples.collections.Collections.Transformations.chunked\n
*/\n@SinceKotlin("1.2")\npublic fun <T> Sequence<T>.chunked(size: Int): Sequence<List<T>> {\n     return
windowed(size, size, partialWindows = true)\n}\n\n/**\n * Splits this sequence into several lists each not exceeding
the given [size]\n * and applies the given [transform] function to an each.\n *\n * @return sequence of results of the
[transform] applied to an each list.\n *\n * Note that the list passed to the [transform] function is ephemeral and is
valid only inside that function.\n * You should not store it or allow it to escape in some way, unless you made a
snapshot of it.\n * The last list may have fewer elements than the given [size].\n *\n * @param size the number of
elements to take in each list, must be positive and can be greater than the number of elements in this sequence.\n *\n
* The operation is _intermediate_ and _stateful_.\n *\n * @sample samples.text.Strings.chunkedTransform\n
*/\n@SinceKotlin("1.2")\npublic fun <T, R> Sequence<T>.chunked(size: Int, transform: (List<T>) -> R):
Sequence<R> {\n     return windowed(size, size, partialWindows = true, transform = transform)\n}\n\n/**\n *
Returns a sequence containing all elements of the original sequence without the first occurrence of the given
[element].\n *\n * The operation is _intermediate_ and _stateless_.\n */\npublic operator fun <T>
Sequence<T>.minus(element: T): Sequence<T> {\n     return object: Sequence<T> {\n         override fun iterator():
Iterator<T> {\n             var removed = false\n             return this@minus.filter { if (!removed && it == element) {\n
removed = true; false } else true }.iterator()\n         }\n     }\n}\n\n/**\n * Returns a sequence containing all elements
of original sequence except the elements contained in the given [elements] array.\n *\n * Note that the source
sequence and the array being subtracted are iterated only when an `iterator` is requested from\n * the resulting
sequence. Changing any of them between successive calls to `iterator` may affect the result.\n *\n * Before Kotlin
1.6, the [elements] array may have been converted to a [HashSet] to speed up the operation, thus the elements were
required to have\n * a correct and stable implementation of `hashCode()` that didn't change between successive
invocations.\n * On JVM, you can enable this behavior back with the system property
`kotlin.collections.convert_arg_to_set_in_removeAll` set to `true`.\n *\n * The operation is _intermediate_ and
_stateful_.\n */\npublic operator fun <T> Sequence<T>.minus(elements: Array<out T>): Sequence<T> {\n     if
(elements.isEmpty()) return this\n     return object: Sequence<T> {\n         override fun iterator(): Iterator<T> {\n
val other = elements.convertToSetForSetOperation()\n         return this@minus.filterNot { it in other }.iterator()\n
}\n     }\n}\n\n/**\n * Returns a sequence containing all elements of original sequence except the elements
contained in the given [elements] collection.\n *\n * Note that the source sequence and the collection being
subtracted are iterated only when an `iterator` is requested from\n * the resulting sequence. Changing any of them
between successive calls to `iterator` may affect the result.\n *\n * Before Kotlin 1.6, the [elements] collection may
have been converted to a [HashSet] to speed up the operation, thus the elements were required to have\n * a correct
and stable implementation of `hashCode()` that didn't change between successive invocations.\n * On JVM, you can
enable this behavior back with the system property `kotlin.collections.convert_arg_to_set_in_removeAll` set to
`true`.\n *\n * The operation is _intermediate_ and _stateful_.\n */\npublic operator fun <T>

```

```

Sequence<T>.minus(elements: Iterable<T>): Sequence<T> {\n    return object: Sequence<T> {\n        override fun
iterator(): Iterator<T> {\n            val other = elements.convertToSetForSetOperation()\n            if (other.isEmpty())\n                return this@minus.iterator()\n            else\n                return this@minus.filterNot { it in other }.iterator()\n        }\n    }\n}\n\n/**\n * Returns a sequence containing all elements of original sequence except the elements
contained in the given [elements] sequence.\n * \n * Note that the source sequence and the sequence being
subtracted are iterated only when an `iterator` is requested from\n * the resulting sequence. Changing any of them
between successive calls to `iterator` may affect the result.\n * \n * The operation is _intermediate_ for this sequence
and _terminal_ and _stateful_ for the [elements] sequence.\n * \n * Before Kotlin 1.6, the [elements] sequence may
have been converted to a [HashSet] to speed up the operation, thus the elements were required to have\n * a correct
and stable implementation of `hashCode()` that didn't change between successive invocations.\n * On JVM, you can
enable this behavior back with the system property `kotlin.collections.convert_arg_to_set_in_removeAll` set to
`true`.\n */\n\npublic operator fun <T> Sequence<T>.minus(elements: Sequence<T>): Sequence<T> {\n    return
object: Sequence<T> {\n        override fun iterator(): Iterator<T> {\n            val other =
elements.convertToSetForSetOperation()\n            if (other.isEmpty())\n                return this@minus.iterator()\n            else\n                return this@minus.filterNot { it in other }.iterator()\n        }\n    }\n}\n\n/**\n * Returns a sequence
containing all elements of the original sequence without the first occurrence of the given [element].\n * \n * The
operation is _intermediate_ and _stateless_.\n */\n\n@kotlin.internal.InlineOnly\npublic inline fun <T>
Sequence<T>.minusElement(element: T): Sequence<T> {\n    return minus(element)\n}\n\n/**\n * Splits the
original sequence into pair of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n *
while *second* list contains elements for which [predicate] yielded `false`.\n * \n * The operation is _terminal_.\n *
\n * @sample samples.collections.Sequences.Transformations.partition\n */\n\npublic inline fun <T>
Sequence<T>.partition(predicate: (T) -> Boolean): Pair<List<T>, List<T>> {\n    val first = ArrayList<T>()\n    val
second = ArrayList<T>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first, second)\n}\n\n/**\n * Returns a sequence
containing all elements of the original sequence and then the given [element].\n * \n * The operation is
_intermediate_ and _stateless_.\n */\n\npublic operator fun <T> Sequence<T>.plus(element: T): Sequence<T> {\n    return
sequenceOf(this, sequenceOf(element)).flatten()\n}\n\n/**\n * Returns a sequence containing all elements of
original sequence and then all elements of the given [elements] array.\n * \n * Note that the source sequence and the
array being added are iterated only when an `iterator` is requested from\n * the resulting sequence. Changing any of
them between successive calls to `iterator` may affect the result.\n * \n * The operation is _intermediate_ and
_stateless_.\n */\n\npublic operator fun <T> Sequence<T>.plus(elements: Array<out T>): Sequence<T> {\n    return
this.plus(elements.asList())\n}\n\n/**\n * Returns a sequence containing all elements of original sequence and then
all elements of the given [elements] collection.\n * \n * Note that the source sequence and the collection being added
are iterated only when an `iterator` is requested from\n * the resulting sequence. Changing any of them between
successive calls to `iterator` may affect the result.\n * \n * The operation is _intermediate_ and _stateless_.\n */\n\npublic operator fun <T> Sequence<T>.plus(elements: Iterable<T>): Sequence<T> {\n    return
sequenceOf(this, elements.asSequence()).flatten()\n}\n\n/**\n * Returns a sequence containing all elements of original
sequence and then all elements of the given [elements] sequence.\n * \n * Note that the source sequence and the
sequence being added are iterated only when an `iterator` is requested from\n * the resulting sequence. Changing any of
them between successive calls to `iterator` may affect the result.\n * \n * The operation is _intermediate_ and
_stateless_.\n */\n\npublic operator fun <T> Sequence<T>.plus(elements: Sequence<T>): Sequence<T> {\n    return
sequenceOf(this, elements).flatten()\n}\n\n/**\n * Returns a sequence containing all elements of the original
sequence and then the given [element].\n * \n * The operation is _intermediate_ and _stateless_.\n */\n\n@kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>.plusElement(element: T): Sequence<T> {\n    return
plus(element)\n}\n\n/**\n * Returns a sequence of snapshots of the window of the given [size]\n * sliding
along this sequence with the given [step], where each\n * snapshot is a list.\n * \n * Several last lists may have fewer
elements than the given [size].\n * \n * Both [size] and [step] must be positive and can be greater than the number of
elements in this sequence.\n * \n * @param size the number of elements to take in each window\n * @param step the

```



```

    } else break\n    }\n    if (limit >= 0 && count > limit) buffer.append(truncated)\n    buffer.append(postfix)\nreturn buffer\n}\n\n/**\n * Creates a string from all the elements separated using [separator] and using the given\n [prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of\n [limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which\n defaults to "...").\n * \n * The operation is _terminal_.\n * \n * @sample\n samples.collections.Collections.Transformations.joinToString\n */\npublic fun <T>\nSequence<T>.joinToString(separator: CharSequence = "\",\"", prefix: CharSequence = "\",", postfix: CharSequence =\n "\",", limit: Int = -1, truncated: CharSequence = "...", transform: ((T) -> CharSequence)? = null): String {\n    return\njoinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()\n}\n\n/**\n * Creates an\n [Iterable] instance that wraps the original sequence returning its elements when being iterated.\n */\npublic fun <T>\nSequence<T>.asIterable(): Iterable<T> {\n    return Iterable { this.iterator() }\n}\n\n/**\n * Returns this sequence as\n a [Sequence].\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>.asSequence(): Sequence<T>\n{\n    return this\n}\n\n/**\n * Returns an average value of elements in the sequence.\n * \n * The operation is\n _terminal_.\n */\n@kotlin.jvm.JvmName("averageOfByte")\npublic fun Sequence<Byte>.average(): Double {\n    var sum: Double = 0.0\n    var count: Int = 0\n    for (element in this) {\n        sum += element\n        checkCountOverflow(++count)\n    }\n    return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns\n an average value of elements in the sequence.\n * \n * The operation is _terminal_.\n */\n@kotlin.jvm.JvmName("averageOfShort")\npublic fun Sequence<Short>.average(): Double {\n    var sum:\nDouble = 0.0\n    var count: Int = 0\n    for (element in this) {\n        sum += element\n        checkCountOverflow(++count)\n    }\n    return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns\n an average value of elements in the sequence.\n * \n * The operation is _terminal_.\n */\n@kotlin.jvm.JvmName("averageOfInt")\npublic fun Sequence<Int>.average(): Double {\n    var sum: Double\n= 0.0\n    var count: Int = 0\n    for (element in this) {\n        sum += element\n        checkCountOverflow(++count)\n    }\n    return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the\n sequence.\n * \n * The operation is _terminal_.\n */\n@kotlin.jvm.JvmName("averageOfLong")\npublic fun\nSequence<Long>.average(): Double {\n    var sum: Double = 0.0\n    var count: Int = 0\n    for (element in this) {\n        sum += element\n        checkCountOverflow(++count)\n    }\n    return if (count == 0) Double.NaN else sum /\ncount\n}\n\n/**\n * Returns an average value of elements in the sequence.\n * \n * The operation is _terminal_.\n */\n@kotlin.jvm.JvmName("averageOfFloat")\npublic fun Sequence<Float>.average(): Double {\n    var sum:\nDouble = 0.0\n    var count: Int = 0\n    for (element in this) {\n        sum += element\n        checkCountOverflow(++count)\n    }\n    return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns\n an average value of elements in the sequence.\n * \n * The operation is _terminal_.\n */\n@kotlin.jvm.JvmName("averageOfDouble")\npublic fun Sequence<Double>.average(): Double {\n    var sum:\nDouble = 0.0\n    var count: Int = 0\n    for (element in this) {\n        sum += element\n        checkCountOverflow(++count)\n    }\n    return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns\n the sum of all elements in the sequence.\n * \n * The operation is _terminal_.\n */\n@kotlin.jvm.JvmName("sumOfByte")\npublic fun Sequence<Byte>.sum(): Int {\n    var sum: Int = 0\n    for\n(element in this) {\n        sum += element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the\n sequence.\n * \n * The operation is _terminal_.\n */\n@kotlin.jvm.JvmName("sumOfShort")\npublic fun\nSequence<Short>.sum(): Int {\n    var sum: Int = 0\n    for (element in this) {\n        sum += element\n    }\n    return\nsum\n}\n\n/**\n * Returns the sum of all elements in the sequence.\n * \n * The operation is _terminal_.\n */\n@kotlin.jvm.JvmName("sumOfInt")\npublic fun Sequence<Int>.sum(): Int {\n    var sum: Int = 0\n    for\n(element in this) {\n        sum += element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the\n sequence.\n * \n * The operation is _terminal_.\n */\n@kotlin.jvm.JvmName("sumOfLong")\npublic fun\nSequence<Long>.sum(): Long {\n    var sum: Long = 0L\n    for (element in this) {\n        sum += element\n    }\n    return\nsum\n}\n\n/**\n * Returns the sum of all elements in the sequence.\n * \n * The operation is _terminal_.\n */\n@kotlin.jvm.JvmName("sumOfFloat")\npublic fun Sequence<Float>.sum(): Float {\n    var sum: Float = 0.0f\n    for\n(element in this) {\n        sum += element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in

```

```

the sequence.\n * \n * The operation is _terminal_.\n * \n @kotlin.jvm.JvmName("\\sumOfDouble\\")\n public fun
Sequence<Double>.sum(): Double {\n   var sum: Double = 0.0\n   for (element in this) {\n     sum += element\n   }\n   return sum\n}\n\n"/\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n
*\n @file:kotlin.jvm.JvmMultifileClass\n @file:kotlin.jvm.JvmName("\\SetsKt\\")\n package
kotlin.collections\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\n\nimport kotlin.random.*\nimport
kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Returns a set containing all elements of the original
set except the given [element].\n * \n * The returned set preserves the element iteration order of the original set.\n
*\n public operator fun <T> Set<T>.minus(element: T): Set<T> {\n   val result =
LinkedHashSet<T>(mapCapacity(size))\n   var removed = false\n   return this.filterTo(result) { if (!removed && it
== element) { removed = true; false } else true }\n}\n\n/**\n * Returns a set containing all elements of the original
set except the elements contained in the given [elements] array.\n * \n * The returned set preserves the element
iteration order of the original set.\n * \n * Before Kotlin 1.6, the [elements] array may have been converted to a
[HashSet] to speed up the operation, thus the elements were required to have\n * a correct and stable implementation
of `hashCode()` that didn't change between successive invocations.\n * On JVM, you can enable this behavior back
with the system property `kotlin.collections.convert_arg_to_set_in_removeAll` set to `true`.\n *\n public operator
fun <T> Set<T>.minus(elements: Array<out T>): Set<T> {\n   val result = LinkedHashSet<T>(this)\n   result.removeAll(elements)\n   return result\n}\n\n/**\n * Returns a set containing all elements of the original set
except the elements contained in the given [elements] collection.\n * \n * The returned set preserves the element
iteration order of the original set.\n * \n * Before Kotlin 1.6, the [elements] collection may have been converted to a
[HashSet] to speed up the operation, thus the elements were required to have\n * a correct and stable implementation
of `hashCode()` that didn't change between successive invocations.\n * On JVM, you can enable this behavior back
with the system property `kotlin.collections.convert_arg_to_set_in_removeAll` set to `true`.\n *\n public operator
fun <T> Set<T>.minus(elements: Iterable<T>): Set<T> {\n   val other =
elements.convertToSetForSetOperationWith(this)\n   if (other.isEmpty())\n     return this.toSet()\n   if (other is
Set)\n     return this.filterNotTo(LinkedHashSet<T>()) { it in other }\n   val result = LinkedHashSet<T>(this)\n   result.removeAll(other)\n   return result\n}\n\n/**\n * Returns a set containing all elements of the original set
except the elements contained in the given [elements] sequence.\n * \n * The returned set preserves the element
iteration order of the original set.\n * \n * Before Kotlin 1.6, the [elements] sequence may have been converted to a
[HashSet] to speed up the operation, thus the elements were required to have\n * a correct and stable implementation
of `hashCode()` that didn't change between successive invocations.\n * On JVM, you can enable this behavior back
with the system property `kotlin.collections.convert_arg_to_set_in_removeAll` set to `true`.\n *\n public operator
fun <T> Set<T>.minus(elements: Sequence<T>): Set<T> {\n   val result = LinkedHashSet<T>(this)\n   result.removeAll(elements)\n   return result\n}\n\n/**\n * Returns a set containing all elements of the original set
except the given [element].\n * \n * The returned set preserves the element iteration order of the original set.\n
*\n @kotlin.internal.InlineOnly\n public inline fun <T> Set<T>.minusElement(element: T): Set<T> {\n   return
minus(element)\n}\n\n/**\n * Returns a set containing all elements of the original set and then the given [element] if
it isn't already in this set.\n * \n * The returned set preserves the element iteration order of the original set.\n
*\n public operator fun <T> Set<T>.plus(element: T): Set<T> {\n   val result =
LinkedHashSet<T>(mapCapacity(size + 1))\n   result.addAll(this)\n   result.add(element)\n   return
result\n}\n\n/**\n * Returns a set containing all elements of the original set and the given [elements] array,\n *
which aren't already in this set.\n * \n * The returned set preserves the element iteration order of the original set.\n
*\n public operator fun <T> Set<T>.plus(elements: Array<out T>): Set<T> {\n   val result =
LinkedHashSet<T>(mapCapacity(this.size + elements.size))\n   result.addAll(this)\n   result.addAll(elements)\n   return result\n}\n\n/**\n * Returns a set containing all elements of the original set and the given [elements]
collection,\n * which aren't already in this set.\n * \n * The returned set preserves the element iteration order of the

```

original set.

```

public operator fun <T> Set<T>.plus(elements: Iterable<T>): Set<T> {
    val result =
        LinkedHashSet<T>(mapCapacity(elements.collectionSizeOrNull()?.let { this.size + it } ?: this.size * 2))
    result.addAll(this)
    result.addAll(elements)
    return result
}

```

`plus` Returns a set containing all elements of the original set and the given [elements] sequence, which aren't already in this set. The returned set preserves the element iteration order of the original set.

```

public operator fun <T> Set<T>.plus(elements:
Sequence<T>): Set<T> {
    val result = LinkedHashSet<T>(mapCapacity(this.size * 2))
    result.addAll(this)
    result.addAll(elements)
    return result
}

```

`plus` Returns a set containing all elements of the original set and then the given [element] if it isn't already in this set. The returned set preserves the element iteration order of the original set.

```

@kotlin.internal.InlineOnly
public inline fun <T> Set<T>.plusElement(element: T):
Set<T> {
    return plus(element)
}

```

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```

@file:kotlin.jvm.JvmMultifileClass
@file:kotlin.jvm.JvmName("StringsKt")
package
kotlin.text
// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt
// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib
import kotlin.random.*

```

`randomChar` Returns a character at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this char sequence.

```

@sample samples.collections.Collections.Elements.elementAt
public expect fun
CharSequence.elementAt(index: Int): Char

```

`CharSequence.elementAt` Returns a character at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this char sequence.

```

@sample
samples.collections.Collections.Elements.elementAtOrElse
@kotlin.internal.InlineOnly
public inline fun
CharSequence.elementAtOrElse(index: Int, defaultValue: (Int) -> Char): Char {
    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)
}

```

`CharSequence.elementAtOrElse` Returns a character at the given [index] or `null` if the [index] is out of bounds of this char sequence.

```

@sample
samples.collections.Collections.Elements.elementAtOrNull
@kotlin.internal.InlineOnly
public inline fun
CharSequence.elementAtOrNull(index: Int): Char? {
    return this.getOrNull(index)
}

```

`CharSequence.elementAtOrNull` Returns the first character matching the given [predicate], or `null` if no such character was found.

```

@sample
samples.collections.Collections.Elements.find
@kotlin.internal.InlineOnly
public inline fun
CharSequence.find(predicate: (Char) -> Boolean): Char? {
    return firstOrNull(predicate)
}

```

`CharSequence.find` Returns the last character matching the given [predicate], or `null` if no such character was found.

```

@sample
samples.collections.Collections.Elements.find
@kotlin.internal.InlineOnly
public inline fun
CharSequence.find(predicate: (Char) -> Boolean): Char? {
    return lastOrNull(predicate)
}

```

`CharSequence.findLast` Returns first character.

```

@throws [NoSuchElementException] if the char sequence is empty.
public fun
CharSequence.first(): Char {
    if (isEmpty())
        throw NoSuchElementException("Char sequence is empty.")
    return this[0]
}

```

`CharSequence.first` Returns the first character matching the given [predicate].

```

@throws
[NoSuchElementException] if no such character is found.
@kotlin.internal.InlineOnly
public inline fun CharSequence.first(predicate:
(Char) -> Boolean): Char {
    for (element in this) if (predicate(element)) return element
    throw
NoSuchElementException("Char sequence contains no character matching the predicate.")
}

```

`CharSequence.first` Returns the first non-null value produced by [transform] function being applied to characters of this char sequence in iteration order, or throws [NoSuchElementException] if no non-null value was produced.

```

@sample
samples.collections.Collections.Transformations.firstNotNullOf
@kotlin.internal.InlineOnly
public inline fun <R : Any>
CharSequence.firstNotNullOf(transform: (Char) -> R?): R {
    return firstNotNullOfOrNull(transform) ?: throw
NoSuchElementException("No element of the char sequence was transformed to a non-null value.")
}

```

`CharSequence.firstNotNullOf` Returns the first non-null value produced by [transform] function being applied to characters of this char sequence in iteration order, or `null` if no non-null value was produced.

```

@sample
samples.collections.Collections.Transformations.firstNotNullOf
@kotlin.internal.InlineOnly
public inline fun <R : Any>
CharSequence.firstNotNullOfOrNull(transform: (Char) -> R?): R? {
    for (element in this) {
        val result =

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transform(element)\n    if (result != null) {\n        return result\n    }\n    return null\n}\n\n/**\n *
Returns the first character, or `null` if the char sequence is empty.\n */\npublic fun CharSequence.firstOrNull():
Char? {\n    return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first character matching the given
[predicate], or `null` if character was not found.\n */\npublic inline fun CharSequence.firstOrNull(predicate: (Char) -
> Boolean): Char? {\n    for (element in this) if (predicate(element)) return element\n    return null\n}\n\n/**\n *
Returns a character at the given [index] or the result of calling the [defaultValue] function if the [index] is out of
bounds of this char sequence.\n */\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.getOrElse(index:
Int, defaultValue: (Int) -> Char): Char {\n    return if (index >= 0 && index <= lastIndex) get(index) else
defaultValue(index)\n}\n\n/**\n * Returns a character at the given [index] or `null` if the [index] is out of bounds of
this char sequence.\n */\n * @sample samples.collections.Collections.Elements.getOrElse\n */\npublic fun
CharSequence.getOrElse(index: Int): Char? {\n    return if (index >= 0 && index <= lastIndex) get(index) else
null\n}\n\n/**\n * Returns index of the first character matching the given [predicate], or -1 if the char sequence does
not contain such character.\n */\npublic inline fun CharSequence.indexOfFirst(predicate: (Char) -> Boolean): Int {\n
for (index in indices) {\n    if (predicate(this[index])) {\n        return index\n    }\n}\n    return -
1\n}\n\n/**\n * Returns index of the last character matching the given [predicate], or -1 if the char sequence does
not contain such character.\n */\npublic inline fun CharSequence.indexOfLast(predicate: (Char) -> Boolean): Int {\n
for (index in indices.reversed()) {\n    if (predicate(this[index])) {\n        return index\n    }\n}\n    return -
1\n}\n\n/**\n * Returns the last character.\n */\n * @throws NoSuchElementException if the char sequence is
empty.\n */\n * @sample samples.text.Strings.last\n */\npublic fun CharSequence.last(): Char {\n    if (isEmpty())\n        throw NoSuchElementException("Char sequence is empty.")\n    return this[lastIndex]\n}\n\n/**\n * Returns the
last character matching the given [predicate].\n */\n * @throws NoSuchElementException if no such character is
found.\n */\n * @sample samples.text.Strings.last\n */\npublic inline fun CharSequence.last(predicate: (Char) ->
Boolean): Char {\n    for (index in this.indices.reversed()) {\n        val element = this[index]\n        if
(predicate(element)) return element\n    }\n    throw NoSuchElementException("Char sequence contains no
character matching the predicate.")\n}\n\n/**\n * Returns the last character, or `null` if the char sequence is
empty.\n */\n * @sample samples.text.Strings.last\n */\npublic fun CharSequence.lastOrNull(): Char? {\n    return if
(isEmpty()) null else this[length - 1]\n}\n\n/**\n * Returns the last character matching the given [predicate], or `null`
if no such character was found.\n */\n * @sample samples.text.Strings.last\n */\npublic inline fun
CharSequence.lastOrNull(predicate: (Char) -> Boolean): Char? {\n    for (index in this.indices.reversed()) {\n
val element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns a
random character from this char sequence.\n */\n * @throws NoSuchElementException if this char sequence is
empty.\n */\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.random(): Char
{\n    return random(Random)\n}\n\n/**\n * Returns a random character from this char sequence using the specified
source of randomness.\n */\n * @throws NoSuchElementException if this char sequence is empty.\n */\n@SinceKotlin("1.3")\npublic fun CharSequence.random(random: Random): Char {\n    if (isEmpty())\n        throw NoSuchElementException("Char sequence is empty.")\n    return get(random.nextInt(length))\n}\n\n/**\n * Returns a random character from this char sequence, or `null` if this char sequence is empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
inline fun CharSequence.randomOrNull(): Char? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a
random character from this char sequence using the specified source of randomness, or `null` if this char sequence is
empty.\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
CharSequence.randomOrNull(random: Random): Char? {\n    if (isEmpty())\n        return null\n    return
get(random.nextInt(length))\n}\n\n/**\n * Returns the single character, or throws an exception if the char sequence
is empty or has more than one character.\n */\npublic fun CharSequence.single(): Char {\n    return when (length)
{\n        0 -> throw NoSuchElementException("Char sequence is empty.")\n        1 -> this[0]\n        else -> throw
IllegalArgumentException("Char sequence has more than one element.")\n    }\n}\n\n/**\n * Returns the single
character matching the given [predicate], or throws exception if there is no or more than one matching character.\n */\n@public inline fun CharSequence.single(predicate: (Char) -> Boolean): Char {\n    var single: Char? = null\n    var

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found = false\n for (element in this) {\n     if (predicate(element)) {\n         if (found) throw
IllegalArgumentException("Char sequence contains more than one matching element.")\n         single =
element\n         found = true\n     }\n } \n if (!found) throw NoSuchElementException("Char sequence
contains no character matching the predicate.")\n @SuppressWarnings("UNCHECKED_CAST")\n return single as
Char\n}\n\n/**\n * Returns single character, or `null` if the char sequence is empty or has more than one character.\n
*/\n\npublic fun CharSequence.singleOrNull(): Char? {\n    return if (length == 1) this[0] else null\n}\n\n/**\n *
Returns the single character matching the given [predicate], or `null` if character was not found or more than one
character was found.\n */\n\npublic inline fun CharSequence.singleOrNull(predicate: (Char) -> Boolean): Char? {\n
    var single: Char? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if
(found) return null\n            single = element\n            found = true\n        }\n    }\n    if (!found) return null\n    return
single\n}\n\n/**\n * Returns a subsequence of this char sequence with the first [n] characters removed.\n */\n\n
@throws IllegalArgumentException if [n] is negative.\n */\n\n@sample samples.text.Strings.drop\n */\n\npublic fun
CharSequence.drop(n: Int): CharSequence {\n    require(n >= 0) { "Requested character count $n is less than zero."
}\n    return subSequence(n.coerceAtMost(length), length)\n}\n\n/**\n * Returns a string with the first [n] characters
removed.\n */\n\n@throws IllegalArgumentException if [n] is negative.\n */\n\n@sample
samples.text.Strings.drop\n */\n\npublic fun String.drop(n: Int): String {\n    require(n >= 0) { "Requested character
count $n is less than zero." }\n    return substring(n.coerceAtMost(length))\n}\n\n/**\n * Returns a subsequence of
this char sequence with the last [n] characters removed.\n */\n\n@throws IllegalArgumentException if [n] is
negative.\n */\n\n@sample samples.text.Strings.drop\n */\n\npublic fun CharSequence.dropLast(n: Int):
CharSequence {\n    require(n >= 0) { "Requested character count $n is less than zero." }\n    return take((length -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a string with the last [n] characters removed.\n */\n\n@throws
IllegalArgumentException if [n] is negative.\n */\n\n@sample samples.text.Strings.drop\n */\n\npublic fun
String.dropLast(n: Int): String {\n    require(n >= 0) { "Requested character count $n is less than zero." }\n    return
take((length - n).coerceAtLeast(0))\n}\n\n/**\n * Returns a subsequence of this char sequence containing all
characters except last characters that satisfy the given [predicate].\n */\n\n@sample samples.text.Strings.drop\n
*/\n\npublic inline fun CharSequence.dropLastWhile(predicate: (Char) -> Boolean): CharSequence {\n    for (index in
lastIndex downTo 0)\n        if (!predicate(this[index]))\n            return subSequence(0, index + 1)\n    return
""\n}\n\n/**\n * Returns a string containing all characters except last characters that satisfy the given [predicate].\n
*/\n\n@sample samples.text.Strings.drop\n */\n\npublic inline fun String.dropLastWhile(predicate: (Char) ->
Boolean): String {\n    for (index in lastIndex downTo 0)\n        if (!predicate(this[index]))\n            return
substring(0, index + 1)\n    return ""\n}\n\n/**\n * Returns a subsequence of this char sequence containing all
characters except first characters that satisfy the given [predicate].\n */\n\n@sample samples.text.Strings.drop\n
*/\n\npublic inline fun CharSequence.dropWhile(predicate: (Char) -> Boolean): CharSequence {\n    for (index in
this.indices)\n        if (!predicate(this[index]))\n            return subSequence(index, length)\n    return ""\n}\n\n
/**\n * Returns a string containing all characters except first characters that satisfy the given [predicate].\n */\n\n
@sample samples.text.Strings.drop\n */\n\npublic inline fun String.dropWhile(predicate: (Char) -> Boolean): String
{\n    for (index in this.indices)\n        if (!predicate(this[index]))\n            return substring(index)\n    return
""\n}\n\n/**\n * Returns a char sequence containing only those characters from the original char sequence that
match the given [predicate].\n */\n\n@sample samples.text.Strings.filter\n */\n\npublic inline fun
CharSequence.filter(predicate: (Char) -> Boolean): CharSequence {\n    return filterTo(StringBuilder(),
predicate)\n}\n\n/**\n * Returns a string containing only those characters from the original string that match the
given [predicate].\n */\n\n@sample samples.text.Strings.filter\n */\n\npublic inline fun String.filter(predicate: (Char) -
> Boolean): String {\n    return filterTo(StringBuilder(), predicate).toString()\n}\n\n/**\n * Returns a char sequence
containing only those characters from the original char sequence that match the given [predicate].\n */\n\n@param
[predicate] function that takes the index of a character and the character itself\n */\n\n@sample samples.collections.Collections.Filtering.filterIndexed\n */\n\npublic
inline fun CharSequence.filterIndexed(predicate: (index: Int, Char) -> Boolean): CharSequence {\n    return
filterIndexedTo(StringBuilder(), predicate)\n}\n\n/**\n * Returns a string containing only those characters from the

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original string that match the given [predicate].\n * @param [predicate] function that takes the index of a character
and the character itself\n * and returns the result of predicate evaluation on the character.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexed\n */\npublic inline fun String.filterIndexed(predicate: (index:
Int, Char) -> Boolean): String {\n    return filterIndexedTo(StringBuilder(), predicate).toString()\n}\n\n/**\n *
Appends all characters matching the given [predicate] to the given [destination].\n * @param [predicate] function
that takes the index of a character and the character itself\n * and returns the result of predicate evaluation on the
character.\n * \n * @sample samples.collections.Collections.Filtering.filterIndexedTo\n */\npublic inline fun <C :
Appendable> CharSequence.filterIndexedTo(destination: C, predicate: (index: Int, Char) -> Boolean): C {\n
    forEachIndexed { index, element ->\n        if (predicate(index, element)) destination.append(element)\n    }\n
    return destination\n}\n\n/**\n * Returns a char sequence containing only those characters from the original char
sequence that do not match the given [predicate].\n * \n * @sample samples.text.Strings.filterNot\n */\npublic inline
fun CharSequence.filterNot(predicate: (Char) -> Boolean): CharSequence {\n    return filterNotTo(StringBuilder(),
predicate)\n}\n\n/**\n * Returns a string containing only those characters from the original string that do not match
the given [predicate].\n * \n * @sample samples.text.Strings.filterNot\n */\npublic inline fun
String.filterNot(predicate: (Char) -> Boolean): String {\n    return filterNotTo(StringBuilder(),
predicate).toString()\n}\n\n/**\n * Appends all characters not matching the given [predicate] to the given
[destination].\n * \n * @sample samples.collections.Collections.Filtering.filterTo\n */\npublic inline fun <C :
Appendable> CharSequence.filterNotTo(destination: C, predicate: (Char) -> Boolean): C {\n    for (element in this)
if (!predicate(element)) destination.append(element)\n    return destination\n}\n\n/**\n * Appends all characters
matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n */\npublic inline fun <C : Appendable>
CharSequence.filterTo(destination: C, predicate: (Char) -> Boolean): C {\n    for (index in 0 until length) {\n        val
element = get(index)\n        if (predicate(element)) destination.append(element)\n    }\n    return
destination\n}\n\n/**\n * Returns a char sequence containing characters of the original char sequence at the
specified range of [indices].\n */\npublic fun CharSequence.slice(indices: IntRange): CharSequence {\n    if
(indices.isEmpty()) return ""\n    return subSequence(indices)\n}\n\n/**\n * Returns a string containing characters
of the original string at the specified range of [indices].\n */\npublic fun String.slice(indices: IntRange): String {\n
if (indices.isEmpty()) return ""\n    return substring(indices)\n}\n\n/**\n * Returns a char sequence containing
characters of the original char sequence at specified [indices].\n */\npublic fun CharSequence.slice(indices:
Iterable<Int>): CharSequence {\n    val size = indices.collectionSizeOrDefault(10)\n    if (size == 0) return ""\n
val result = StringBuilder(size)\n    for (i in indices) {\n        result.append(get(i))\n    }\n    return result\n}\n\n/**\n * Returns a string containing characters of the original string at specified [indices].\n
*/\n\n@kotlin.internal.InlineOnly\npublic inline fun String.slice(indices: Iterable<Int>): String {\n    return (this as
CharSequence).slice(indices).toString()\n}\n\n/**\n * Returns a subsequence of this char sequence containing the
first [n] characters from this char sequence, or the entire char sequence if this char sequence is shorter.\n * \n *
@throws IllegalArgumentException if [n] is negative.\n * \n * @sample samples.text.Strings.take\n */\npublic fun
CharSequence.take(n: Int): CharSequence {\n    require(n >= 0) { "Requested character count $n is less than zero." }\n
return subSequence(0, n.coerceAtMost(length))\n}\n\n/**\n * Returns a string containing the first [n]
characters from this string, or the entire string if this string is shorter.\n * \n * @throws IllegalArgumentException if
[n] is negative.\n * \n * @sample samples.text.Strings.take\n */\npublic fun String.take(n: Int): String {\n    require(n
>= 0) { "Requested character count $n is less than zero." }\n    return substring(0,
n.coerceAtMost(length))\n}\n\n/**\n * Returns a subsequence of this char sequence containing the last [n]
characters from this char sequence, or the entire char sequence if this char sequence is shorter.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample samples.text.Strings.take\n */\npublic fun
CharSequence.takeLast(n: Int): CharSequence {\n    require(n >= 0) { "Requested character count $n is less than
zero." }\n    val length = length\n    return subSequence(length - n.coerceAtMost(length), length)\n}\n\n/**\n *
Returns a string containing the last [n] characters from this string, or the entire string if this string is shorter.\n *
\n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample samples.text.Strings.take\n */\npublic fun

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String.takeLast(n: Int): String {\n  require(n >= 0) {\n    "Requested character count $n is less than zero." }\n  val\n  length = length\n  return substring(length - n.coerceAtMost(length))\n}\n\n/**\n * Returns a subsequence of this\n  char sequence containing last characters that satisfy the given [predicate].\n * \n * @sample\n  samples.text.Strings.take\n */\n\npublic inline fun CharSequence.takeLastWhile(predicate: (Char) -> Boolean):\n  CharSequence {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n      return\n      subSequence(index + 1, length)\n    }\n  }\n  return subSequence(0, length)\n}\n\n/**\n * Returns a string\n  containing last characters that satisfy the given [predicate].\n * \n * @sample\n  samples.text.Strings.take\n */\n\npublic inline fun String.takeLastWhile(predicate: (Char) -> Boolean): String {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n      return substring(index + 1)\n    }\n  }\n  return this\n}\n\n/**\n * Returns\n  a subsequence of this char sequence containing the first characters that satisfy the given [predicate].\n * \n * @sample\n  samples.text.Strings.take\n */\n\npublic inline fun CharSequence.takeWhile(predicate: (Char) -> Boolean):\n  CharSequence {\n  for (index in 0 until length)\n    if (!predicate(get(index))) {\n      return subSequence(0,\n      index)\n    }\n  return subSequence(0, length)\n}\n\n/**\n * Returns a string containing the first characters that\n  satisfy the given [predicate].\n * \n * @sample\n  samples.text.Strings.take\n */\n\npublic inline fun\n  String.takeWhile(predicate: (Char) -> Boolean): String {\n  for (index in 0 until length)\n    if\n    (!predicate(get(index))) {\n      return substring(0, index)\n    }\n  return this\n}\n\n/**\n * Returns a char\n  sequence with characters in reversed order.\n * \n */\n\npublic fun CharSequence.reversed(): CharSequence {\n  return\n  StringBuilder(this).reverse()\n}\n\n/**\n * Returns a string with characters in reversed order.\n * \n */\n\n@kotlin.internal.InlineOnly\npublic inline fun String.reversed(): String {\n  return (this as\n  CharSequence).reversed().toString()\n}\n\n/**\n * Returns a [Map] containing key-value pairs provided by\n  [transform] function\n * applied to characters of the given char sequence.\n * \n * If any of two pairs would have the\n  same key the last one gets added to the map.\n * \n * The returned map preserves the entry iteration order of the\n  original char sequence.\n * \n * @sample\n  samples.text.Strings.associate\n */\n\npublic inline fun <K, V>\n  CharSequence.associate(transform: (Char) -> Pair<K, V>): Map<K, V> {\n  val capacity =\n  mapCapacity(length).coerceAtLeast(16)\n  return associateTo(LinkedHashMap<K, V>(capacity),\n  transform)\n}\n\n/**\n * Returns a [Map] containing the characters from the given char sequence indexed by the\n  key\n * returned from [keySelector] function applied to each character.\n * \n * If any two characters would have the\n  same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry\n  iteration order of the original char sequence.\n * \n * @sample\n  samples.text.Strings.associateBy\n */\n\npublic inline\n  fun <K> CharSequence.associateBy(keySelector: (Char) -> K): Map<K, Char> {\n  val capacity =\n  mapCapacity(length).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, Char>(capacity),\n  keySelector)\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform] and indexed by\n  [keySelector]\n  functions applied to characters of the given char sequence.\n * \n * If any two characters would have\n  the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the\n  entry iteration order of the original char sequence.\n * \n * @sample\n  samples.text.Strings.associateByWithValueTransform\n */\n\npublic inline fun <K, V>\n  CharSequence.associateBy(keySelector: (Char) -> K, valueTransform: (Char) -> V): Map<K, V> {\n  val capacity\n  = mapCapacity(length).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, V>(capacity),\n  keySelector, valueTransform)\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value\n  pairs,\n * where key is provided by the [keySelector] function applied to each character of the given char sequence\n * and value is the character itself.\n * \n * If any two characters would have the same key returned by [keySelector]\n  the last one gets added to the map.\n * \n * @sample\n  samples.text.Strings.associateByTo\n */\n\npublic inline fun <K,\n  M : MutableMap<in K, in Char>> CharSequence.associateByTo(destination: M, keySelector: (Char) -> K): M {\n  for (element in this) {\n    destination.put(keySelector(element), element)\n  }\n  return destination\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the\n  [keySelector] function and\n * and value is provided by the [valueTransform] function applied to characters of the\n  given char sequence.\n * \n * If any two characters would have the same key returned by [keySelector] the last one\n  gets added to the map.\n * \n * @sample\n  samples.text.Strings.associateByToWithValueTransform\n */\n\npublic

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inline fun <K, V, M : MutableMap<in K, in V>> CharSequence.associateByTo(destination: M, keySelector: (Char)
-> K, valueTransform: (Char) -> V): M {
    for (element in this) {
        destination.put(keySelector(element),
            valueTransform(element))
    }
    return destination
}
Populates and returns the [destination] mutable
map with key-value pairs
provided by [transform] function applied to each character of the given char
sequence.
If any of two pairs would have the same key the last one gets added to the map.
@sample
samples.text.Strings.associateTo
public inline fun <K, V, M : MutableMap<in K, in V>>
CharSequence.associateTo(destination: M, transform: (Char) -> Pair<K, V>): M {
    for (element in this) {
        destination += transform(element)
    }
    return destination
}
Returns a [Map] where keys are
characters from the given char sequence and values are
produced by the [valueSelector] function applied to each
character.
If any two characters are equal, the last one gets added to the map.
The returned map
preserves the entry iteration order of the original char sequence.
@sample
samples.text.Strings.associateWith
public inline fun <V>
CharSequence.associateWith(valueSelector: (Char) -> V): Map<Char, V> {
    val result = LinkedHashMap<Char,
V>(mapCapacity(length.coerceAtMost(128)).coerceAtLeast(16))
    return associateWithTo(result,
        valueSelector)
}
Populates and returns the [destination] mutable map with key-value pairs for each
character of the given char sequence,
where key is the character itself and value is provided by the
[valueSelector] function applied to that key.
If any two characters are equal, the last one overwrites the
former value in the map.
@sample
samples.text.Strings.associateWithTo
public inline fun <V, M : MutableMap<in Char, in V>>
CharSequence.associateWithTo(destination: M, valueSelector: (Char) -> V): M {
    for (element in this) {
        destination.put(element, valueSelector(element))
    }
    return destination
}
Appends all characters to
the given [destination] collection.
public fun <C : MutableCollection<in Char>>
CharSequence.toCollection(destination: C): C {
    for (item in this) {
        destination.add(item)
    }
    return
destination
}
Returns a new [HashSet] of all characters.
public fun CharSequence.toHashSet():
HashSet<Char> {
    return toCollection(HashSet<Char>(mapCapacity(length.coerceAtMost(128))))
}
Returns a [List] containing all characters.
public fun CharSequence.toList(): List<Char> {
    return when
(length) {
        0 -> emptyList()
        1 -> listOf(this[0])
        else -> this.toMutableList()
    }
}
Returns a new [MutableList] filled with all characters of this char sequence.
public fun
CharSequence.toMutableList(): MutableList<Char> {
    return toCollection(ArrayList<Char>(length))
}
Returns a [Set] of all characters.
The returned set preserves the element iteration order of the original char
sequence.
public fun CharSequence.toSet(): Set<Char> {
    return when (length) {
        0 -> emptySet()
        1 -> setOf(this[0])
        else -> toCollection(LinkedHashSet<Char>(mapCapacity(length.coerceAtMost(128))))
    }
}
Returns a single list of all elements yielded from results of [transform] function being invoked on
each character of original char sequence.
@sample
samples.collections.Collections.Transformations.flatMap
public inline fun <R>
CharSequence.flatMap(transform: (Char) -> Iterable<R>): List<R> {
    return flatMapTo(ArrayList<R>(),
        transform)
}
Returns a single list of all elements yielded from results of [transform] function being
invoked on each character
and its index in the original char sequence.
@sample
samples.collections.Collections.Transformations.flatMapIndexed
public inline fun <R>
CharSequence.flatMapIndexed(transform: (index: Int, Char) -> Iterable<R>): List<R> {
    return
flatMapIndexedTo(ArrayList<R>(), transform)
}
Appends all elements yielded from results of
[transform] function being invoked on each character
and its index in the original char sequence, to the given
[destination].
public inline fun <R, C : MutableCollection<in R>> CharSequence.flatMapIndexedTo(destination: C, transform: (index:

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Int, Char) -> Iterable<R>): C {\n  var index = 0\n  for (element in this) {\n    val list = transform(index++,
element)\n    destination.addAll(list)\n  }\n  return destination\n}\n\n/**\n * Appends all elements yielded from
results of [transform] function being invoked on each character of original char sequence, to the given
[destination].\n */\npublic inline fun <R, C : MutableCollection<in R>> CharSequence.flatMapTo(destination: C,
transform: (Char) -> Iterable<R>): C {\n  for (element in this) {\n    val list = transform(element)\n
destination.addAll(list)\n  }\n  return destination\n}\n\n/**\n * Groups characters of the original char sequence by
the key returned by the given [keySelector] function\n * applied to each character and returns a map where each
group key is associated with a list of corresponding characters.\n * \n * The returned map preserves the entry
iteration order of the keys produced from the original char sequence.\n * \n * @sample
samples.collections.Collections.Transformations.groupBy\n */\npublic inline fun <K>
CharSequence.groupBy(keySelector: (Char) -> K): Map<K, List<Char>> {\n  return
groupByTo(LinkedHashMap<K, MutableList<Char>>(), keySelector)\n}\n\n/**\n * Groups values returned by the
[valueTransform] function applied to each character of the original char sequence\n * by the key returned by the
given [keySelector] function applied to the character\n * and returns a map where each group key is associated with
a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys produced
from the original char sequence.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeysAndValues\n */\npublic inline fun <K, V>
CharSequence.groupBy(keySelector: (Char) -> K, valueTransform: (Char) -> V): Map<K, List<V>> {\n  return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups
characters of the original char sequence by the key returned by the given [keySelector] function\n * applied to each
character and puts to the [destination] map each group key associated with a list of corresponding characters.\n * \n
* @return The [destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n
*/\npublic inline fun <K, M : MutableMap<in K, MutableList<Char>>> CharSequence.groupByTo(destination: M,
keySelector: (Char) -> K): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list =
destination.getOrPut(key) { ArrayList<Char>() }\n    list.add(element)\n  }\n  return destination\n}\n\n/**\n *
Groups values returned by the [valueTransform] function applied to each character of the original char sequence\n *
by the key returned by the given [keySelector] function applied to the character\n * and puts to the [destination]
map each group key associated with a list of corresponding values.\n * \n * @return The [destination] map.\n * \n *
@sample samples.collections.Collections.Transformations.groupByKeysAndValues\n */\npublic inline fun <K, V,
M : MutableMap<in K, MutableList<V>>> CharSequence.groupByTo(destination: M, keySelector: (Char) -> K,
valueTransform: (Char) -> V): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list =
destination.getOrPut(key) { ArrayList<V>() }\n    list.add(valueTransform(element))\n  }\n  return
destination\n}\n\n/**\n * Creates a [Grouping] source from a char sequence to be used later with one of group-and-
fold operations\n * using the specified [keySelector] function to extract a key from each character.\n * \n * @sample
samples.collections.Grouping.groupingByEachCount\n */\n@SinceKotlin("1.1")\npublic inline fun <K>
CharSequence.groupingBy(crossinline keySelector: (Char) -> K): Grouping<Char, K> {\n  return object :
Grouping<Char, K> {\n    override fun sourceIterator(): Iterator<Char> = this@groupingBy.iterator()\n
    override fun keyOf(element: Char): K = keySelector(element)\n  }\n}\n\n/**\n * Returns a list containing the
results of applying the given [transform] function\n * to each character in the original char sequence.\n * \n *
@sample samples.text.Strings.map\n */\npublic inline fun <R> CharSequence.map(transform: (Char) -> R):
List<R> {\n  return mapTo(ArrayList<R>(length), transform)\n}\n\n/**\n * Returns a list containing the results of
applying the given [transform] function\n * to each character and its index in the original char sequence.\n *
@param [transform] function that takes the index of a character and the character itself\n * and returns the result of
the transform applied to the character.\n */\npublic inline fun <R> CharSequence.mapIndexed(transform: (index:
Int, Char) -> R): List<R> {\n  return mapIndexedTo(ArrayList<R>(length), transform)\n}\n\n/**\n * Returns a list
containing only the non-null results of applying the given [transform] function\n * to each character and its index in
the original char sequence.\n * @param [transform] function that takes the index of a character and the character
itself\n * and returns the result of the transform applied to the character.\n */\npublic inline fun <R : Any>

```

```

CharSequence.mapIndexedNotNull(transform: (index: Int, Char) -> R?): List<R> {
    return
    mapIndexedNotNullTo(ArrayList<R>(), transform)
}
/**
 * Applies the given [transform] function to each
 * character and its index in the original char sequence
 * and appends only the non-null results to the given
 * [destination].
 * @param [transform] function that takes the index of a character and the character itself
 * and returns the result of the transform applied to the character.
 */
public inline fun <R : Any, C :
MutableCollection<in R>> CharSequence.mapIndexedNotNullTo(destination: C, transform: (index: Int, Char) ->
R?): C {
    forEachIndexed { index, element -> transform(index, element)?.let { destination.add(it) } }
    return
    destination
}
/**
 * Applies the given [transform] function to each character and its index in the original char
 * sequence
 * and appends the results to the given [destination].
 * @param [transform] function that takes the
 * index of a character and the character itself
 * and returns the result of the transform applied to the character.
 */
public inline fun <R, C : MutableCollection<in R>> CharSequence.mapIndexedTo(destination: C, transform:
(index: Int, Char) -> R): C {
    var index = 0
    for (item in this)
        destination.add(transform(index++,
item))
    return
    destination
}
/**
 * Returns a list containing only the non-null results of applying the given
 * [transform] function
 * to each character in the original char sequence.
 */
@sample
samples.collections.Collections.Transformations.mapNotNull
/**
 * public inline fun <R : Any>
CharSequence.mapNotNull(transform: (Char) -> R?): List<R> {
    return mapNotNullTo(ArrayList<R>(),
transform)
}
/**
 * Applies the given [transform] function to each character in the original char sequence
 * and appends only the non-null results to the given [destination].
 */
public inline fun <R : Any, C :
MutableCollection<in R>> CharSequence.mapNotNullTo(destination: C, transform: (Char) -> R?): C {
    forEach {
        element -> transform(element)?.let { destination.add(it) } }
    return
    destination
}
/**
 * Applies the given
 * [transform] function to each character of the original char sequence
 * and appends the results to the given
 * [destination].
 */
public inline fun <R, C : MutableCollection<in R>> CharSequence.mapTo(destination: C,
transform: (Char) -> R): C {
    for (item in this)
        destination.add(transform(item))
    return
    destination
}
/**
 * Returns a lazy [Iterable] that wraps each character of the original char sequence
 * into an
 * [IndexedValue] containing the index of that character and the character itself.
 */
public fun
CharSequence.withIndex(): Iterable<IndexedValue<Char>> {
    return IndexingIterable { iterator() }
}
/**
 * Returns `true` if all characters match the given [predicate].
 */
@sample
samples.collections.Collections.Aggregates.all
/**
 * public inline fun CharSequence.all(predicate: (Char) ->
Boolean): Boolean {
    for (element in this) if (!predicate(element)) return false
    return true
}
/**
 * Returns `true` if char sequence has at least one character.
 */
@sample
samples.collections.Collections.Aggregates.any
/**
 * public fun CharSequence.any(): Boolean {
    return
    !isEmpty()
}
/**
 * Returns `true` if at least one character matches the given [predicate].
 */
@sample
samples.collections.Collections.Aggregates.anyWithPredicate
/**
 * public inline fun CharSequence.any(predicate:
(Char) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return true
    return
    false
}
/**
 * Returns the length of this char sequence.
 */
@kotlin.internal.InlineOnly
public inline fun
CharSequence.count(): Int {
    return length
}
/**
 * Returns the number of characters matching the given
 * [predicate].
 */
public inline fun CharSequence.count(predicate: (Char) -> Boolean): Int {
    var count = 0
    for (element in this) if (predicate(element)) ++count
    return
    count
}
/**
 * Accumulates value starting with
 * [initial] value and applying [operation] from left to right
 * to current accumulator value and each character.
 */
* Returns the specified [initial] value if the char sequence is empty.
 */
* @param [operation] function that takes
 * current accumulator value and a character, and calculates the next accumulator value.
 */
public inline fun <R>
CharSequence.fold(initial: R, operation: (acc: R, Char) -> R): R {
    var accumulator = initial
    for (element in
this) accumulator = operation(accumulator, element)
    return
    accumulator
}
/**
 * Accumulates value
 * starting with [initial] value and applying [operation] from left to right
 * to current accumulator value and each
 * character with its index in the original char sequence.
 */
* Returns the specified [initial] value if the char
 * sequence is empty.
 */
* @param [operation] function that takes the index of a character, current accumulator
 * value
 * and the character itself, and calculates the next accumulator value.
 */
public inline fun <R>
CharSequence.foldIndexed(initial: R, operation: (index: Int, acc: R, Char) -> R): R {
    var index = 0
    var

```

```

accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to
left\n * to each character and current accumulator value.\n * \n * Returns the specified [initial] value if the char
sequence is empty.\n * \n * @param [operation] function that takes a character and current accumulator value, and
calculates the next accumulator value.\n */\npublic inline fun <R> CharSequence.foldRight(initial: R, operation:
(Char, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n
accumulator = operation(get(index--), accumulator)\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value
starting with [initial] value and applying [operation] from right to left\n * to each character with its index in the
original char sequence and current accumulator value.\n * \n * Returns the specified [initial] value if the char
sequence is empty.\n * \n * @param [operation] function that takes the index of a character, the character itself\n *
and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun <R>
CharSequence.foldRightIndexed(initial: R, operation: (index: Int, Char, acc: R) -> R): R {\n  var index =
lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Performs the given [action] on each
character.\n */\npublic inline fun CharSequence.forEach(action: (Char) -> Unit): Unit {\n  for (element in this)
action(element)\n}\n\n/**\n * Performs the given [action] on each character, providing sequential index with the
character.\n * \n * @param [action] function that takes the index of a character and the character itself\n * and performs
the action on the character.\n */\npublic inline fun CharSequence.forEachIndexed(action: (index: Int, Char) -> Unit):
Unit {\n  var index = 0\n  for (item in this) action(index++, item)\n}\n\n@Deprecated("Use maxOrNull
instead.", ReplaceWith("this.maxOrNull()"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.5", hiddenSince = "1.6")\npublic fun CharSequence.max(): Char? {\n  return
maxOrNull()\n}\n\n@Deprecated("Use maxByOrNull instead.",
ReplaceWith("this.maxByOrNull(selector)"))\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.5", hiddenSince = "1.6")\npublic inline fun <R : Comparable<R>> CharSequence.maxBy(selector: (Char) ->
R): Char? {\n  return maxByOrNull(selector)\n}\n\n/**\n * Returns the first character yielding the largest value of
the given function or `null` if there are no characters.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun <R :
Comparable<R>> CharSequence.maxByOrNull(selector: (Char) -> R): Char? {\n  if (isEmpty()) return null\n  var
maxElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxValue =
selector(maxElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxValue < v)
{\n      maxElem = e\n      maxValue = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the largest
value among all values produced by [selector] function\n * applied to each character in the char sequence.\n * \n * If
any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n * \n * @throws
NoSuchElementException if the char sequence is empty.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.maxOf(selector: (Char) ->
Double): Double {\n  if (isEmpty()) throw NoSuchElementException()\n  var maxValue = selector(this[0])\n  for
(i in 1..lastIndex) {\n    val v = selector(this[i])\n    maxValue = maxOf(maxValue, v)\n  }\n  return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each character in the char sequence.\n * \n * If any of values produced by [selector] function is `NaN`, the returned
result is `NaN`.\n * \n * @throws NoSuchElementException if the char sequence is empty.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.maxOf(selector: (Char) ->
Float): Float {\n  if (isEmpty()) throw NoSuchElementException()\n  var maxValue = selector(this[0])\n  for
(i in 1..lastIndex) {\n    val v = selector(this[i])\n    maxValue = maxOf(maxValue, v)\n  }\n  return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each character in the char sequence.\n * \n * @throws NoSuchElementException if the char sequence is empty.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution

```

```

ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>
CharSequence.maxOf(selector: (Char) -> R): R {\n  if (isEmpty()) throw NoSuchElementException()\n  var
maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (maxValue < v) {\n
    maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n * Returns the largest value among all values
produced by [selector] function\n * applied to each character in the char sequence or `null` if there are no
characters.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n
*\n *\n @SinceKotlin("1.4")\n @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n @OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.maxOfOrNull(selector:
(Char) -> Double): Double? {\n  if (isEmpty()) return null\n  var maxValue = selector(this[0])\n  for (i in
1..lastIndex) {\n    val v = selector(this[i])\n    maxValue = maxOf(maxValue, v)\n  }\n  return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each character in the char sequence or `null` if there are no characters.\n * \n * If any of values produced by
[selector] function is `NaN`, the returned result is `NaN`.\n
*\n *\n @SinceKotlin("1.4")\n @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n @OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.maxOfOrNull(selector:
(Char) -> Float): Float? {\n  if (isEmpty()) return null\n  var maxValue = selector(this[0])\n  for (i in
1..lastIndex) {\n    val v = selector(this[i])\n    maxValue = maxOf(maxValue, v)\n  }\n  return
maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to
each character in the char sequence or `null` if there are no characters.\n
*\n *\n @SinceKotlin("1.4")\n @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n @OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>
CharSequence.maxOfOrNull(selector: (Char) -> R): R? {\n  if (isEmpty()) return null\n  var maxValue =
selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (maxValue < v) {\n
maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n * Returns the largest value according to the provided
[comparator]\n * among all values produced by [selector] function applied to each character in the char sequence.\n
* \n * @throws NoSuchElementException if the char sequence is empty.\n
*\n *\n @SinceKotlin("1.4")\n @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n @OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R> CharSequence.maxOfWith(comparator:
Comparator<in R>, selector: (Char) -> R): R {\n  if (isEmpty()) throw NoSuchElementException()\n  var
maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if
(comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n * Returns the largest value according to the provided [comparator]\n * among all values produced by [selector]
function applied to each character in the char sequence or `null` if there are no characters.\n
*\n *\n @SinceKotlin("1.4")\n @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n @OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R>
CharSequence.maxOfWithOrNull(comparator: Comparator<in R>, selector: (Char) -> R): R? {\n  if (isEmpty())
return null\n  var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if
(comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n * Returns the largest character or `null` if there are no characters.\n
*\n *\n @SinceKotlin("1.4")\n @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n @OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic fun
CharSequence.maxOrNull(): Char? {\n  if (isEmpty()) return null\n  var max = this[0]\n  for (i in 1..lastIndex)
{\n    val e = this[i]\n    if (max < e) max = e\n  }\n  return max\n}\n\n@Deprecated("Use maxWithOrNull
instead.", ReplaceWith("this.maxWithOrNull(comparator)"))\n @DeprecatedSinceKotlin(warningSince = "1.4",
errorSince = "1.5", hiddenSince = "1.6")\n public fun CharSequence.maxWith(comparator: Comparator<in
Char>): Char? {\n  return maxWithOrNull(comparator)\n}\n\n/**\n * Returns the first character having the largest
value according to the provided [comparator] or `null` if there are no characters.\n
*\n *\n @SinceKotlin("1.4")\n @OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n @OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic fun CharSequence.maxWithOrNull(comparator:
Comparator<in Char>): Char? {\n  if (isEmpty()) return null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n
val e = this[i]\n    if (comparator.compare(max, e) < 0) max = e\n  }\n  return max\n}\n\n@Deprecated("Use minOrNull
instead.",

```

```

ReplaceWith("this.minOrNull()")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\npublic fun CharSequence.min(): Char? {\n    return minOrNull()\n}\n\n@Deprecated("Use
minByOrNull instead.")\nReplaceWith("this.minByOrNull(selector)")\n@DeprecatedSinceKotlin(warningSince =
"1.4", errorSince = "1.5", hiddenSince = "1.6")\npublic inline fun <R : Comparable<R>>
CharSequence.minBy(selector: (Char) -> R): Char? {\n    return minByOrNull(selector)\n}\n\n/**\n * Returns the
first character yielding the smallest value of the given function or `null` if there are no characters.\n * \n * @sample
samples.collections.Collections.Aggregates.minByOrNull\n */\n@SinceKotlin("1.4")\npublic inline fun <R :
Comparable<R>> CharSequence.minByOrNull(selector: (Char) -> R): Char? {\n    if (isEmpty()) return null\n    var
minElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue =
selector(minElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v)
{\n            minElem = e\n            minValue = v\n        }\n    }\n    return minElem\n}\n\n/**\n * Returns the smallest
value among all values produced by [selector] function\n * applied to each character in the char sequence.\n * \n * If
any of values produced by [selector] function is `NaN`, the returned result is `NaN`. \n * \n * @throws
NoSuchElementException if the char sequence is empty.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.minOf(selector: (Char) ->
Double): Double {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for
(i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each character in the char sequence.\n * \n * If any of values produced by [selector] function is `NaN`, the returned
result is `NaN`. \n * \n * @throws NoSuchElementException if the char sequence is empty.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.minOf(selector: (Char) ->
Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n    var minValue = selector(this[0])\n    for (i in
1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each character in the char sequence.\n * \n * @throws NoSuchElementException if the char sequence is empty.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>>
CharSequence.minOf(selector: (Char) -> R): R {\n    if (isEmpty()) throw NoSuchElementException()\n    var
minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        if (minValue > v) {\n
            minValue = v\n        }\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values
produced by [selector] function\n * applied to each character in the char sequence or `null` if there are no
characters.\n * \n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`. \n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.minOfOrNull(selector:
(Char) -> Double): Double? {\n    if (isEmpty()) return null\n    var minValue = selector(this[0])\n    for (i in
1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each character in the char sequence or `null` if there are no characters.\n * \n * If any of values produced by
[selector] function is `NaN`, the returned result is `NaN`. \n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.minOfOrNull(selector:
(Char) -> Float): Float? {\n    if (isEmpty()) return null\n    var minValue = selector(this[0])\n    for (i in
1..lastIndex) {\n        val v = selector(this[i])\n        minValue = minOf(minValue, v)\n    }\n    return
minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to
each character in the char
sequence or `null` if there are no characters.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution

```



right to current accumulator value and each character with its index in the original char sequence. Throws an exception if this char sequence is empty. If the char sequence can be empty in an expected way, please use [reduceIndexedOrNull] instead. It returns `null` when its receiver is empty.

```

@sample samples.collections.Collections.Aggregates.reduce
public inline fun CharSequence.reduceIndexed(operation: (index: Int, acc: Char, Char) -> Char): Char {
    if (isEmpty()) throw UnsupportedOperationException("Empty char sequence can't be reduced.")
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(index, accumulator, this[index])
    }
    return accumulator
}

```

Accumulates value starting with the first character and applying [operation] from left to right to current accumulator value and each character with its index in the original char sequence. Returns `null` if the char sequence is empty.

```

@sample samples.collections.Collections.Aggregates.reduceOrNull
@SinceKotlin("1.4")
public inline fun CharSequence.reduceIndexedOrNull(operation: (index: Int, acc: Char, Char) -> Char): Char? {
    if (isEmpty()) return null
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(index, accumulator, this[index])
    }
    return accumulator
}

```

Accumulates value starting with the first character and applying [operation] from left to right to current accumulator value and each character. Returns `null` if the char sequence is empty.

```

@sample samples.collections.Collections.Aggregates.reduceOrNull
@WasExperimental(ExperimentalStdlibApi::class)
public inline fun CharSequence.reduceOrNull(operation: (acc: Char, Char) -> Char): Char? {
    if (isEmpty()) return null
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(accumulator, this[index])
    }
    return accumulator
}

```

Accumulates value starting with the last character and applying [operation] from right to left to each character and current accumulator value. Throws an exception if this char sequence is empty. If the char sequence can be empty in an expected way, please use [reduceRightOrNull] instead. It returns `null` when its receiver is empty.

```

@sample samples.collections.Collections.Aggregates.reduceRight
public inline fun CharSequence.reduceRight(operation: (Char, acc: Char) -> Char): Char {
    var index = lastIndex
    if (index < 0) throw UnsupportedOperationException("Empty char sequence can't be reduced.")
    var accumulator = get(index--)
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with the last character and applying [operation] from right to left to each character with its index in the original char sequence and current accumulator value. Throws an exception if this char sequence is empty. If the char sequence can be empty in an expected way, please use [reduceRightIndexedOrNull] instead. It returns `null` when its receiver is empty.

```

@sample samples.collections.Collections.Aggregates.reduceRight
public inline fun CharSequence.reduceRightIndexed(operation: (index: Int, Char, acc: Char) -> Char): Char {
    var index = lastIndex
    if (index < 0) throw UnsupportedOperationException("Empty char sequence can't be reduced.")
    var accumulator = get(index--)
    while (index >= 0) {
        accumulator = operation(index, get(index), accumulator)
        --index
    }
    return accumulator
}

```

Accumulates value starting with the last character and applying [operation] from right to left to each character with its index in the original char sequence and current accumulator value. Returns `null` if the char sequence is empty.

```

@sample samples.collections.Collections.Aggregates.reduceRightOrNull
@SinceKotlin("1.4")
public inline fun CharSequence.reduceRightIndexedOrNull(operation: (index: Int, Char, acc: Char) -> Char): Char? {
    var index = lastIndex
    if (index < 0) return null
    var accumulator = get(index--)

```

```

-)\n while (index >= 0) {\n     accumulator = operation(index, get(index), accumulator)\n     --index\n }\n return accumulator\n}\n\n/**\n * Accumulates value starting with the last character and applying [operation] from\n right to left\n * to each character and current accumulator value.\n * \n * Returns `null` if the char sequence is\n empty.\n * \n * @param [operation] function that takes a character and current accumulator value,\n * and calculates\n the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceRightOrNull\n */\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun\n CharSequence.reduceRightOrNull(operation: (Char, acc: Char) -> Char): Char? {\n     var index = lastIndex\n     if\n (index < 0) return null\n     var accumulator = get(index--)\n     while (index >= 0) {\n         accumulator =\n operation(get(index--), accumulator)\n     }\n     return accumulator\n}\n\n/**\n * Returns a list containing successive\n accumulation values generated by applying [operation] from left to right\n * to each character and current\n accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should\n not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation]\n function that takes current accumulator value and a character, and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n */\n@SinceKotlin("1.4")\npublic inline fun\n <R> CharSequence.runningFold(initial: R, operation: (acc: R, Char) -> R): List<R> {\n     if (isEmpty()) return\n listOf(initial)\n     val result = ArrayList<R>(length + 1).apply { add(initial) }\n     var accumulator = initial\n     for\n (element in this) {\n         accumulator = operation(accumulator, element)\n         result.add(accumulator)\n     }\n     return result\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying\n [operation] from left to right\n * to each character, its index in the original char sequence and current accumulator\n value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be\n mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation] function that\n takes the index of a character, current accumulator value\n * and the character itself, and calculates the next\n accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.runningFold\n */\n@SinceKotlin("1.4")\npublic inline fun <R> CharSequence.runningFoldIndexed(initial: R, operation: (index:\n Int, acc: R, Char) -> R): List<R> {\n     if (isEmpty()) return listOf(initial)\n     val result = ArrayList<R>(length +\n 1).apply { add(initial) }\n     var accumulator = initial\n     for (index in indices) {\n         accumulator =\n operation(index, accumulator, this[index])\n         result.add(accumulator)\n     }\n     return result\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each character and current accumulator value that starts with the first character of this char sequence.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous\n value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and a character,\n and calculates the next accumulator value.\n * \n * @sample\n samples.collections.Collections.Aggregates.runningReduce\n */\n@SinceKotlin("1.4")\npublic inline fun\n CharSequence.runningReduce(operation: (acc: Char, Char) -> Char): List<Char> {\n     if (isEmpty()) return\n emptyList()\n     var accumulator = this[0]\n     val result = ArrayList<Char>(length).apply { add(accumulator) }\n     for\n (index in 1 until length) {\n         accumulator = operation(accumulator, this[index])\n         result.add(accumulator)\n     }\n     return result\n}\n\n/**\n * Returns a list containing successive accumulation\n values generated by applying [operation] from left to right\n * to each character, its index in the original char\n sequence and current accumulator value that starts with the first character of this char sequence.\n * \n * Note that\n `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in\n resulting list.\n * \n * @param [operation] function that takes the index of a character, current accumulator value\n * and the character itself, and calculates the next accumulator value.\n * \n * @sample\n samples.collections.Collections.Aggregates.runningReduce\n */\n@SinceKotlin("1.4")\npublic inline fun\n CharSequence.runningReduceIndexed(operation: (index: Int, acc: Char, Char) -> Char): List<Char> {\n     if\n (isEmpty()) return emptyList()\n     var accumulator = this[0]\n     val result = ArrayList<Char>(length).apply {\n add(accumulator) }\n     for (index in 1 until length) {\n         accumulator = operation(index, accumulator,\n this[index])\n         result.add(accumulator)\n     }\n     return result\n}\n\n/**\n * Returns a list containing successive\n accumulation values generated by applying [operation] from left to right\n * to each character and current

```

accumulator value that starts with [initial] value. \n \* \n \* Note that `acc` value passed to [operation] function should not be mutated; \n \* otherwise it would affect the previous value in resulting list. \n \* \n \* @param [operation] function that takes current accumulator value and a character, and calculates the next accumulator value. \n \* \n \* @sample samples.collections.Collections.Aggregates.scan \n

```

*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun <R>
CharSequence.scan(initial: R, operation: (acc: R, Char) -> R): List<R> { \n    return runningFold(initial,
operation)\n}\n\n/** \n * Returns a list containing successive accumulation values generated by applying [operation]
from left to right \n * to each character, its index in the original char sequence and current accumulator value that
starts with [initial] value. \n * \n * Note that `acc` value passed to [operation] function should not be mutated; \n *
otherwise it would affect the previous value in resulting list. \n * \n * @param [operation] function that takes the
index of a character, current accumulator value \n * and the character itself, and calculates the next accumulator
value. \n * \n * @sample samples.collections.Collections.Aggregates.scan \n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic inline fun <R>
CharSequence.scanIndexed(initial: R, operation: (index: Int, acc: R, Char) -> R): List<R> { \n    return
runningFoldIndexed(initial, operation)\n}\n\n/** \n * Returns the sum of all values produced by [selector] function
applied to each character in the char sequence. \n * \n * @Deprecated("Use sumOf instead.",
ReplaceWith("this.sumOf(selector)"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic inline fun
CharSequence.sumBy(selector: (Char) -> Int): Int { \n    var sum: Int = 0 \n    for (element in this) { \n        sum +=
selector(element)\n    } \n    return sum \n}\n\n/** \n * Returns the sum of all values produced by [selector] function
applied to each character in the char sequence. \n * \n * @Deprecated("Use sumOf instead.",
ReplaceWith("this.sumOf(selector)"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic inline fun
CharSequence.sumByDouble(selector: (Char) -> Double): Double { \n    var sum: Double = 0.0 \n    for (element in
this) { \n        sum += selector(element)\n    } \n    return sum \n}\n\n/** \n * Returns the sum of all values produced by
[selector] function applied to each character in the char sequence. \n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfDouble")\n@kotlin.internal.InlineOnly\npublic inline fun
CharSequence.sumOf(selector: (Char) -> Double): Double { \n    var sum: Double = 0.toDouble()\n    for (element in
this) { \n        sum += selector(element)\n    } \n    return sum \n}\n\n/** \n * Returns the sum of all values produced by
[selector] function applied to each character in the char sequence. \n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfInt")\n@kotlin.internal.InlineOnly\npublic inline fun
CharSequence.sumOf(selector: (Char) -> Int): Int { \n    var sum: Int = 0.toInt()\n    for (element in this) { \n        sum
+= selector(element)\n    } \n    return sum \n}\n\n/** \n * Returns the sum of all values produced by [selector]
function applied to each character in the char sequence. \n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfLong")\n@kotlin.internal.InlineOnly\npublic inline fun
CharSequence.sumOf(selector: (Char) -> Long): Long { \n    var sum: Long = 0.toLong()\n    for (element in this) { \n
        sum += selector(element)\n    } \n    return sum \n}\n\n/** \n * Returns the sum of all values produced by
[selector] function applied to each character in the char sequence. \n
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfUInt")\n@WasExperimental(ExperimentalUnsignedType
s::class)\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.sumOf(selector: (Char) -> UInt): UInt { \n
    var sum: UInt = 0.toUInt()\n    for (element in this) { \n        sum += selector(element)\n    } \n    return
sum \n}\n\n/** \n * Returns the sum of all values produced by [selector] function applied to each character in the char
sequence. \n
*\n@SinceKotlin("1.5")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@kotlin.jvm.JvmName("sumOfULong")\n@WasExperimental(ExperimentalUnsignedTy
pes::class)\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.sumOf(selector: (Char) -> ULong):

```

```

ULong {
    var sum: ULong = 0.toULong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

`Strings.chunked(size: Int): List<String>` Splits this char sequence into a list of strings each not exceeding the given [size]. The last string in the resulting list may have fewer characters than the given [size]. @param size the number of elements to take in each string, must be positive and can be greater than the number of elements in this char sequence. @sample samples.text.Strings.chunked

`CharSequence.chunked(size: Int): List<String>` Splits this char sequence into several char sequences each not exceeding the given [size] and applies the given [transform] function to an each. @return list of results of the [transform] applied to an each char sequence. Note that the char sequence passed to the [transform] function is ephemeral and is valid only inside that function. You should not store it or allow it to escape in some way, unless you made a snapshot of it. The last char sequence may have fewer characters than the given [size]. @param size the number of elements to take in each char sequence, must be positive and can be greater than the number of elements in this char sequence. @sample samples.text.Strings.chunkedTransform

`<R> CharSequence.chunked(size: Int, transform: (CharSequence) -> R): List<R>` Splits this char sequence into a sequence of strings each not exceeding the given [size]. The last string in the resulting sequence may have fewer characters than the given [size]. @param size the number of elements to take in each string, must be positive and can be greater than the number of elements in this char sequence. @sample samples.collections.Collections.Transformations.chunked

`CharSequence.chunkedSequence(size: Int): Sequence<String>` Splits this char sequence into several char sequences each not exceeding the given [size] and applies the given [transform] function to an each. @return sequence of results of the [transform] applied to an each char sequence. Note that the char sequence passed to the [transform] function is ephemeral and is valid only inside that function. You should not store it or allow it to escape in some way, unless you made a snapshot of it. The last char sequence may have fewer characters than the given [size]. @param size the number of elements to take in each char sequence, must be positive and can be greater than the number of elements in this char sequence. @sample samples.text.Strings.chunkedTransformToSequence

`<R> CharSequence.chunkedSequence(size: Int, transform: (CharSequence) -> R): Sequence<R>` Splits the original char sequence into pair of char sequences, where \*first\* char sequence contains characters for which [predicate] yielded `true`, while \*second\* char sequence contains characters for which [predicate] yielded `false`. @sample samples.text.Strings.partition

`CharSequence.partition(predicate: (Char) -> Boolean): Pair<CharSequence, CharSequence>` Splits the original string into pair of strings, where \*first\* string contains characters for which [predicate] yielded `true`, while \*second\* string contains characters for which [predicate] yielded `false`. @sample samples.text.Strings.partition

`String.partition(predicate: (Char) -> Boolean): Pair<String, String>` Returns a list of snapshots of the window of the given [size] sliding along this char sequence with the given [step], where each snapshot is a string. Several last strings may have fewer characters than the given [size]. Both [size] and [step] must be positive and can be greater than the number of elements in this char sequence. @param size the number of elements to take in each window @param step the number of elements to move the window forward by on an each step, by default 1 @param partialWindows controls whether or not to keep partial windows in the end if any, by default `false` which means partial windows won't be preserved @sample samples.collections.Sequences.Transformations.takeWindows

CharSequence.windowed(size: Int, step: Int = 1, partialWindows: Boolean = false): List<String> {  
 return windowed(size, step, partialWindows) { it.toString() }  
 }  
 \* Returns a list of results of applying the given [transform] function to  
 \* an each char sequence representing a view over the window of the given [size]  
 \* sliding along this char sequence with the given [step].  
 \* Note that the char sequence passed to the [transform] function is ephemeral and is valid only inside that function.  
 \* You should not store it or allow it to escape in some way, unless you made a snapshot of it.  
 \* Several last char sequences may have fewer characters than the given [size].  
 \* Both [size] and [step] must be positive and can be greater than the number of elements in this char sequence.  
 \* @param size the number of elements to take in each window  
 \* @param step the number of elements to move the window forward by on an each step, by default 1  
 \* @param partialWindows controls whether or not to keep partial windows in the end if any,  
 \* by default `false` which means partial windows won't be preserved  
 \* @sample samples.collections.Sequences.Transformations.averageWindows

```

*  

@SinceKotlin("1.2")  

public fun <R> CharSequence.windowed(size: Int, step: Int = 1, partialWindows: Boolean = false, transform: (CharSequence) -> R): List<R> {  

  checkWindowSizeStep(size, step)  

  val thisSize = this.length  

  val resultCapacity = thisSize / step + if (thisSize % step == 0) 0 else 1  

  val result = ArrayList<R>(resultCapacity)  

  var index = 0  

  while (index in 0 until thisSize) {  

    val end = index + size  

    val coercedEnd = if (end < 0 || end > thisSize) { if (partialWindows) thisSize else break } else end  

    result.add(transform(subSequence(index, coercedEnd)))  

    index += step  

  }  

  return result  

}

```

\* Returns a sequence of snapshots of the window of the given [size] sliding along this char sequence with the given [step], where each snapshot is a string.  
 \* Several last strings may have fewer characters than the given [size].  
 \* Both [size] and [step] must be positive and can be greater than the number of elements in this char sequence.  
 \* @param size the number of elements to take in each window  
 \* @param step the number of elements to move the window forward by on an each step, by default 1  
 \* @param partialWindows controls whether or not to keep partial windows in the end if any,  
 \* by default `false` which means partial windows won't be preserved  
 \* @sample samples.collections.Sequences.Transformations.takeWindows

```

*  

@SinceKotlin("1.2")  

public fun CharSequence.windowedSequence(size: Int, step: Int = 1, partialWindows: Boolean = false): Sequence<String> {  

  return windowedSequence(size, step, partialWindows) { it.toString() }  

}

```

\* Returns a sequence of results of applying the given [transform] function to  
 \* an each char sequence representing a view over the window of the given [size] sliding along this char sequence with the given [step].  
 \* Note that the char sequence passed to the [transform] function is ephemeral and is valid only inside that function.  
 \* You should not store it or allow it to escape in some way, unless you made a snapshot of it.  
 \* Several last char sequences may have fewer characters than the given [size].  
 \* Both [size] and [step] must be positive and can be greater than the number of elements in this char sequence.  
 \* @param size the number of elements to take in each window  
 \* @param step the number of elements to move the window forward by on an each step, by default 1  
 \* @param partialWindows controls whether or not to keep partial windows in the end if any,  
 \* by default `false` which means partial windows won't be preserved  
 \* @sample samples.collections.Sequences.Transformations.averageWindows

```

*  

@SinceKotlin("1.2")  

public fun <R> CharSequence.windowedSequence(size: Int, step: Int = 1, partialWindows: Boolean = false, transform: (CharSequence) -> R): Sequence<R> {  

  checkWindowSizeStep(size, step)  

  val windows = (if (partialWindows) indices else 0 until length - size + 1) step step  

  return windows.asSequence().map { index ->  

    val end = index + size  

    val coercedEnd = if (end < 0 || end > length) length else end  

    transform(subSequence(index, coercedEnd))  

  }  

}

```

\* Returns a list of pairs built from the characters of `this` and the [other] char sequences with the same index  
 \* The returned list has length of the shortest char sequence.  
 \* @sample samples.text.Strings.zip

```

*  

public infix fun CharSequence.zip(other: CharSequence): List<Pair<Char, Char>> {  

  return zip(other) { c1, c2 -> c1 to c2 }  

}

```

\* Returns a list of values built from the characters of `this` and the [other] char sequences with the same index  
 \* using the provided [transform] function applied to each pair of characters.  
 \* The returned list has length of the shortest char sequence.  
 \* @sample samples.text.Strings.zipWithTransform

```

*  

public inline fun <V> CharSequence.zip(other: CharSequence, transform: (a: Char, b: Char) -> V): List<V> {  

  val length = minOf(this.length, other.length)  


```

```

val list = ArrayList<V>(length)\n  for (i in 0 until length) {\n    list.add(transform(this[i], other[i]))\n  }\nreturn list\n}\n\n/**\n * Returns a list of pairs of each two adjacent characters in this char sequence.\n * \n * The returned list is empty if this char sequence contains less than two characters.\n * \n * @sample\n samples.collections.Collections.Transformations.zipWithNext\n *\n@SinceKotlin("1.2")\npublic fun\n CharSequence.zipWithNext(): List<Pair<Char, Char>> {\n  return zipWithNext { a, b -> a to b }\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to an each pair of two adjacent characters in this char sequence.\n * \n * The returned list is empty if this char sequence contains less than two characters.\n * \n * @sample\n samples.collections.Collections.Transformations.zipWithNextToFindDeltas\n *\n@SinceKotlin("1.2")\npublic inline fun <R> CharSequence.zipWithNext(transform: (a: Char, b: Char) -> R):\n List<R> {\n  val size = length - 1\n  if (size < 1) return emptyList()\n  val result = ArrayList<R>(size)\n  for (index in 0 until size) {\n    result.add(transform(this[index], this[index + 1]))\n  }\n  return result\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original char sequence returning its characters when being iterated.\n *\npublic fun CharSequence.asIterable(): Iterable<Char> {\n  if (this is String && isEmpty()) return emptyList()\n  return Iterable { this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original char sequence returning its characters when being iterated.\n *\npublic fun CharSequence.asSequence(): Sequence<Char> {\n  if (this is String && isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n"/>\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("StringsKt")\n\npackage\n kotlin.text\n\nimport kotlin.contracts.contract\nimport kotlin.jvm.JvmName\n\n/**\n * Returns a copy of this string converted to upper case using the rules of the default locale.\n *\n@Deprecated("Use uppercase() instead.",\n ReplaceWith("uppercase()"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic expect fun\n String.toUpperCase(): String\n\n/**\n * Returns a copy of this string converted to upper case using Unicode mapping rules of the invariant locale.\n * \n * This function supports one-to-many and many-to-one character mapping,\n * thus the length of the returned string can be different from the length of the original string.\n * \n * @sample\n samples.text.Strings.uppercase\n *\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic expect fun\n String.uppercase(): String\n\n/**\n * Returns a copy of this string converted to lower case using the rules of the default locale.\n *\n@Deprecated("Use lowercase() instead.",\n ReplaceWith("lowercase()"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic expect fun\n String.toLowerCase(): String\n\n/**\n * Returns a copy of this string converted to lower case using Unicode mapping rules of the invariant locale.\n * \n * This function supports one-to-many and many-to-one character mapping,\n * thus the length of the returned string can be different from the length of the original string.\n * \n * @sample\n samples.text.Strings.lowercase\n *\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic expect fun\n String.lowercase(): String\n\n/**\n * Returns a copy of this string having its first letter titlecased using the rules of the default locale,\n * or the original string if it's empty or already starts with a title case letter.\n * \n * The title case of a character is usually the same as its upper case with several exceptions.\n * \n * The particular list of characters with the special title case form depends on the underlying platform.\n * \n * @sample\n samples.text.Strings.capitalize\n *\n@Deprecated("Use replaceFirstChar instead.",\n ReplaceWith("replaceFirstChar { if (it.isLowerCase()) it.titlecase() else it.toString() }"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic expect fun\n String.capitalize(): String\n\n/**\n * Returns a copy of this string having its first letter lowercased using the rules of the default locale,\n * or the original string if it's empty or already starts with a lower case letter.\n * \n * @sample\n samples.text.Strings.decapitalize\n *\n@Deprecated("Use replaceFirstChar instead.",\n ReplaceWith("replaceFirstChar { it.lowercase() }"))\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic expect fun\n String.decapitalize(): String\n\n/**\n * Returns a sub sequence of this char sequence having leading and trailing characters matching the [predicate] removed.\n *\npublic inline fun CharSequence.trim(predicate: (Char) -> Boolean): CharSequence {\n  var startIndex = 0\n  var endIndex = length - 1\n  var startFound = false\n}\n
```



consisting of `this` string prepended with [padChar] as many times as are necessary to reach that length.

```

@sample samples.text.Strings.padStart
public fun String.padStart(length: Int, padChar: Char = ' '): String =
    (this as CharSequence).padStart(length, padChar).toString()

```

Returns a char sequence with content of this char sequence padded at the end to the specified [length] with the specified character or space.

```

@sample samples.text.Strings.padEnd
public fun CharSequence.padEnd(length: Int, padChar: Char = ' '): CharSequence {
    if (length < 0) throw IllegalArgumentException("Desired length $length is less than zero.")
    if (length <= this.length) return this.subSequence(0, this.length)
    val sb =
        StringBuilder(length)
    sb.append(this)
    for (i in 1..(length - this.length)) sb.append(padChar)
    return sb
}

```

Pads the string to the specified [length] at the end with the specified character or space.

```

@sample samples.text.Strings.stringIsNullOrEmpty
public inline fun CharSequence?.isEmpty(): Boolean {
    contract { returns(false) implies (this@isEmpty != null) }
    return this == null || this.length == 0
}

```

Returns true if this char sequence is empty (contains no characters).

```

@sample samples.text.Strings.stringIsNotEmpty
public inline fun CharSequence.isNotEmpty(): Boolean = length > 0

```

Returns true if this char sequence is not empty.

```

@sample samples.text.Strings.stringIsNotBlank
public inline fun CharSequence.isNotBlank(): Boolean = !isBlank()

```

Returns true if this nullable char sequence is either null or empty or consists solely of whitespace characters.

```

@sample samples.text.Strings.stringOrNullOrBlank
public inline fun CharSequence?.isNullOrEmpty(): Boolean {
    contract { returns(false) implies (this@isNullOrEmpty != null) }
    return this == null || this.isBlank()
}

```

Iterator for characters of the given char sequence.

```

public operator fun CharSequence.iterator(): CharIterator = object : CharIterator() {
    private var index = 0
    public override fun nextChar(): Char = get(index++)
    public override fun hasNext(): Boolean = index < length
}

```

Returns the string if it is not null, or the empty string otherwise.

```

@sample samples.text.Strings.stringIfEmpty
public inline fun String?.orEmpty(): String = this ?: ""

```

Returns this char sequence if it's not empty or the result of calling [defaultValue] function if the char sequence is empty.

```

@sample samples.text.Strings.stringIfBlank
public inline fun <C, R> C.ifEmpty(defaultValue: () -> R): R where C : CharSequence, C : R {
    if (isEmpty()) defaultValue() else this
}

```

Returns this char sequence if it is not empty and doesn't consist solely of whitespace characters, or the result of calling [defaultValue] function otherwise.

```

@sample samples.text.Strings.stringIfBlank
public inline fun <C, R> C.ifBlank(defaultValue: () -> R): R where C : CharSequence, C : R {
    if (isBlank()) defaultValue() else this
}

```

Returns the range of valid character indices for this char sequence.

```

public val CharSequence.indices: IntRange
    get() = 0..length - 1

```

Returns the index of the last character in the char sequence or -1 if it is empty.

```

public val CharSequence.lastIndex: Int
    get() = this.length - 1

```

Returns true if this CharSequence has Unicode

```

surrogate pair at the specified [index].\n */\npublic fun CharSequence.hasSurrogatePairAt(index: Int): Boolean {\n
return index in 0..length - 2\n      && this[index].isHighSurrogate()\n      && this[index +
1].isLowSurrogate()\n}\n\n/**\n * Returns a substring specified by the given [range] of indices.\n */\npublic fun
String.substring(range: IntRange): String = substring(range.start, range.endInclusive + 1)\n\n/**\n * Returns a
subsequence of this char sequence specified by the given [range] of indices.\n */\npublic fun
CharSequence.subSequence(range: IntRange): CharSequence = subSequence(range.start, range.endInclusive +
1)\n\n/**\n * Returns a subsequence of this char sequence.\n */\n * This extension is chosen only for invocation with
old-named parameters.\n * Replace parameter names with the same as those of [CharSequence.subSequence].\n\n
*/\n@kotlin.internal.InlineOnly\n@Suppress("\u0027EXTENSION_SHADOWED_BY_MEMBER\u0027") // false
warning\n@Deprecated("\u0027Use parameters named startIndex and endIndex.\u0027", ReplaceWith("\u0027subSequence(startIndex
= start, endIndex = end)\u0027"))\npublic inline fun String.subSequence(start: Int, end: Int): CharSequence =
subSequence(start, end)\n\n/**\n * Returns a substring of chars from a range of this char sequence starting at the
[startIndex] and ending right before the [endIndex].\n */\n * @param startIndex the start index (inclusive).\n *
@param endIndex the end index (exclusive). If not specified, the length of the char sequence is used.\n\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.substring(startIndex: Int, endIndex: Int = length):
String = subSequence(startIndex, endIndex).toString()\n\n/**\n * Returns a substring of chars at indices from the
specified [range] of this char sequence.\n */\npublic fun CharSequence.substring(range: IntRange): String =
subSequence(range.start, range.endInclusive + 1).toString()\n\n/**\n * Returns a substring before the first
occurrence of [delimiter].\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which
defaults to the original string.\n */\npublic fun String.substringBefore(delimiter: Char, missingDelimiterValue:
String = this): String {\n    val index = indexOf(delimiter)\n    return if (index == -1) missingDelimiterValue else
substring(0, index)\n}\n\n/**\n * Returns a substring before the first occurrence of [delimiter].\n * If the string does
not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n */\npublic fun
String.substringBefore(delimiter: String, missingDelimiterValue: String = this): String {\n    val index =
indexOf(delimiter)\n    return if (index == -1) missingDelimiterValue else substring(0, index)\n}\n\n/**\n * Returns
a substring after the first occurrence of [delimiter].\n * If the string does not contain the delimiter, returns
[missingDelimiterValue] which defaults to the original string.\n */\npublic fun String.substringAfter(delimiter:
Char, missingDelimiterValue: String = this): String {\n    val index = indexOf(delimiter)\n    return if (index == -1)
missingDelimiterValue else substring(index + 1, length)\n}\n\n/**\n * Returns a substring after the first occurrence
of [delimiter].\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the
original string.\n */\npublic fun String.substringAfter(delimiter: String, missingDelimiterValue: String = this):
String {\n    val index = indexOf(delimiter)\n    return if (index == -1) missingDelimiterValue else substring(index +
delimiter.length, length)\n}\n\n/**\n * Returns a substring before the last occurrence of [delimiter].\n * If the string
does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n */\npublic
fun String.substringBeforeLast(delimiter: Char, missingDelimiterValue: String = this): String {\n    val index =
lastIndexOf(delimiter)\n    return if (index == -1) missingDelimiterValue else substring(0, index)\n}\n\n/**\n *
Returns a substring before the last occurrence of [delimiter].\n * If the string does not contain the delimiter, returns
[missingDelimiterValue] which defaults to the original string.\n */\npublic fun String.substringBeforeLast(delimiter:
String, missingDelimiterValue: String = this): String {\n    val index = lastIndexOf(delimiter)\n    return if (index ==
-1) missingDelimiterValue else substring(0, index)\n}\n\n/**\n * Returns a substring after the last occurrence of
[delimiter].\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the
original string.\n */\npublic fun String.substringAfterLast(delimiter: Char, missingDelimiterValue: String = this):
String {\n    val index = lastIndexOf(delimiter)\n    return if (index == -1) missingDelimiterValue else
substring(index + 1, length)\n}\n\n/**\n * Returns a substring after the last occurrence of [delimiter].\n * If the
string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n\n
*/\npublic fun String.substringAfterLast(delimiter: String, missingDelimiterValue: String = this): String {\n    val
index = lastIndexOf(delimiter)\n    return if (index == -1) missingDelimiterValue else substring(index +
delimiter.length, length)\n}\n\n/**\n * Returns a char sequence with content of this char sequence where its part at

```

the given range is replaced with the [replacement] char sequence.

@param startIndex the index of the first character to be replaced.

@param endIndex the index of the first character after the replacement to keep in the string.

```

public fun CharSequence.replaceRange(startIndex: Int, endIndex: Int, replacement: CharSequence): CharSequence {
    if (endIndex < startIndex)
        throw IndexOutOfBoundsException("End index ($endIndex) is less than start index ($startIndex).")
    val sb = StringBuilder()
    sb.appendRange(this, 0, startIndex)
    sb.append(replacement)
    sb.appendRange(this, endIndex, length)
    return sb
}

```

Replaces the part of the string at the given range with the [replacement] char sequence.

@param startIndex the index of the first character to be replaced.

@param endIndex the index of the first character after the replacement to keep in the string.

```

@kotlin.internal.InlineOnly
public inline fun String.replaceRange(startIndex: Int, endIndex: Int, replacement: CharSequence): String =
    (this as CharSequence).replaceRange(startIndex, endIndex, replacement).toString()

```

Returns a char sequence with content of this char sequence where its part at the given [range] is replaced with the [replacement] char sequence.

The end index of the [range] is included in the part to be replaced.

```

public fun CharSequence.replaceRange(range: IntRange, replacement: CharSequence): CharSequence =
    replaceRange(range.start, range.endInclusive + 1, replacement)

```

Replace the part of string at the given [range] with the [replacement] string.

The end index of the [range] is included in the part to be replaced.

```

@kotlin.internal.InlineOnly
public inline fun String.replaceRange(range: IntRange, replacement: CharSequence): String =
    (this as CharSequence).replaceRange(range, replacement).toString()

```

Returns a char sequence with content of this char sequence where its part at the given range is removed.

@param startIndex the index of the first character to be removed.

@param endIndex the index of the first character after the removed part to keep in the string.

[endIndex] is not included in the removed part.

```

public fun CharSequence.removeRange(startIndex: Int, endIndex: Int): CharSequence {
    if (endIndex < startIndex)
        throw IndexOutOfBoundsException("End index ($endIndex) is less than start index ($startIndex).")
    if (endIndex == startIndex)
        return this.subSequence(0, length)
    val sb = StringBuilder(length - (endIndex - startIndex))
    sb.appendRange(this, 0, startIndex)
    sb.appendRange(this, endIndex, length)
    return sb
}

```

Removes the part of a string at a given range.

@param startIndex the index of the first character to be removed.

@param endIndex the index of the first character after the removed part to keep in the string.

[endIndex] is not included in the removed part.

```

@kotlin.internal.InlineOnly
public inline fun String.removeRange(startIndex: Int, endIndex: Int): String =
    (this as CharSequence).removeRange(startIndex, endIndex).toString()

```

Returns a char sequence with content of this char sequence where its part at the given [range] is removed.

The end index of the [range] is included in the removed part.

```

public fun CharSequence.removeRange(range: IntRange): CharSequence =
    removeRange(range.start, range.endInclusive + 1)

```

Removes the part of a string at the given [range].

The end index of the [range] is included in the removed part.

```

@kotlin.internal.InlineOnly
public inline fun String.removeRange(range: IntRange): String =
    (this as CharSequence).removeRange(range).toString()

```

If this char sequence starts with the given [prefix], returns a new char sequence with the prefix removed. Otherwise, returns a new char sequence with the same characters.

```

public fun CharSequence.removePrefix(prefix: CharSequence): CharSequence {
    if (startsWith(prefix))
        return subSequence(prefix.length, length)
    return subSequence(0, length)
}

```

If this string starts with the given [prefix], returns a copy of this string with the prefix removed. Otherwise, returns this string.

```

public fun String.removePrefix(prefix: CharSequence): String {
    if (startsWith(prefix))
        return substring(prefix.length)
    return this
}

```

If this char sequence ends with the given [suffix], returns a new char sequence with the suffix removed. Otherwise, returns a new char sequence with the same characters.

```

public fun CharSequence.removeSuffix(suffix: CharSequence): CharSequence {
    if (endsWith(suffix))
        return subSequence(0, length - suffix.length)
    return subSequence(0, length)
}

```

If this string ends with the given [suffix], returns a copy of this string with the suffix removed. Otherwise, returns this string.

```

public fun String.removeSuffix(suffix: CharSequence): String {
    if (endsWith(suffix))
        return substring(0, length - suffix.length)
    return this
}

```

When this char sequence starts with the given [prefix] and ends with the given [suffix], returns a new char sequence having

both the given [prefix] and [suffix] removed.\n \* Otherwise returns a new char sequence with the same characters.\n

```

*^public fun CharSequence.removeSurrounding(prefix: CharSequence, suffix: CharSequence): CharSequence {
    if ((length >= prefix.length + suffix.length) && startsWith(prefix) && endsWith(suffix)) {
        return subSequence(prefix.length, length - suffix.length)
    }
    return subSequence(0, length)
}

```

\n \* Removes from a string both the given [prefix] and [suffix] if and only if\n \* it starts with the [prefix] and ends with the [suffix].\n \* Otherwise returns this string unchanged.\n

```

*^public fun String.removeSurrounding(prefix: CharSequence, suffix: CharSequence): String {
    if ((length >= prefix.length + suffix.length) && startsWith(prefix) && endsWith(suffix)) {
        return substring(prefix.length, length - suffix.length)
    }
    return this
}

```

\n \* When this char sequence starts with and ends with the given [delimiter],\n \* returns a new char sequence having this [delimiter] removed both from the start and end.\n \* Otherwise returns a new char sequence with the same characters.\n

```

*^public fun CharSequence.removeSurrounding(delimiter: CharSequence): CharSequence =
    removeSurrounding(delimiter, delimiter)

```

\n \* Removes the given [delimiter] string from both the start and the end of this string\n \* if and only if it starts with and ends with the [delimiter].\n \* Otherwise returns this string unchanged.\n

```

*^public fun String.removeSurrounding(delimiter: CharSequence): String =
    removeSurrounding(delimiter, delimiter)

```

\n \* Replace part of string before the first occurrence of given delimiter with the [replacement] string.\n \* If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n

```

*^public fun String.replaceBefore(delimiter: Char, replacement: String, missingDelimiterValue: String = this): String {
    val index = indexOf(delimiter)
    return if (index == -1) missingDelimiterValue else replaceRange(0, index, replacement)
}

```

\n \* Replace part of string before the first occurrence of given delimiter with the [replacement] string.\n \* If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n

```

*^public fun String.replaceBefore(delimiter: String, replacement: String, missingDelimiterValue: String = this): String {
    val index = indexOf(delimiter)
    return if (index == -1) missingDelimiterValue else replaceRange(0, index, replacement)
}

```

\n \* Replace part of string after the first occurrence of given delimiter with the [replacement] string.\n \* If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n

```

*^public fun String.replaceAfter(delimiter: Char, replacement: String, missingDelimiterValue: String = this): String {
    val index = indexOf(delimiter)
    return if (index == -1) missingDelimiterValue else replaceRange(index + 1, length, replacement)
}

```

\n \* Replace part of string after the first occurrence of given delimiter with the [replacement] string.\n \* If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n

```

*^public fun String.replaceAfter(delimiter: String, replacement: String, missingDelimiterValue: String = this): String {
    val index = indexOf(delimiter)
    return if (index == -1) missingDelimiterValue else replaceRange(index + delimiter.length, length, replacement)
}

```

\n \* Replace part of string after the last occurrence of given delimiter with the [replacement] string.\n \* If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n

```

*^public fun String.replaceAfterLast(delimiter: String, replacement: String, missingDelimiterValue: String = this): String {
    val index = lastIndexOf(delimiter)
    return if (index == -1) missingDelimiterValue else replaceRange(index + delimiter.length, length, replacement)
}

```

\n \* Replace part of string after the last occurrence of given delimiter with the [replacement] string.\n \* If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n

```

*^public fun String.replaceAfterLast(delimiter: Char, replacement: String, missingDelimiterValue: String = this): String {
    val index = lastIndexOf(delimiter)
    return if (index == -1) missingDelimiterValue else replaceRange(index + 1, length, replacement)
}

```

\n \* Replace part of string before the last occurrence of given delimiter with the [replacement] string.\n \* If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n

```

*^public fun String.replaceBeforeLast(delimiter: Char, replacement: String, missingDelimiterValue: String = this): String {
    val index = lastIndexOf(delimiter)
    return if (index == -1) missingDelimiterValue else replaceRange(0, index, replacement)
}

```

\n \* Replace part of string before the last occurrence of given delimiter with the [replacement] string.\n \* If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n

```

*^public fun String.replaceBeforeLast(delimiter: String, replacement: String,

```



```

CharSequence.startsWith(prefix: CharSequence, startIndex: Int, ignoreCase: Boolean = false): Boolean {
    if (!ignoreCase && this is String && prefix is String)
        return this.startsWith(prefix, startIndex)
    else
        return regionMatchesImpl(startIndex, prefix, 0, prefix.length, ignoreCase)
}

/** Returns `true` if this char sequence ends with the specified suffix. */
public fun CharSequence.endsWith(suffix: CharSequence, ignoreCase: Boolean = false): Boolean {
    if (!ignoreCase && this is String && suffix is String)
        return this.endsWith(suffix)
    else
        return regionMatchesImpl(length - suffix.length, suffix, 0, suffix.length, ignoreCase)
}

/** common prefix and suffix */
/** Returns the longest string `prefix` such that this char sequence and [other] char sequence both start with this prefix, taking care not to split surrogate pairs. If this and [other] have no common prefix, returns the empty string. */
@param ignoreCase `true` to ignore character case when matching a character. By default `false`.
@sample samples.text.Strings.commonPrefixWith
public fun CharSequence.commonPrefixWith(other: CharSequence, ignoreCase: Boolean = false): String {
    val shortestLength = minOf(this.length, other.length)
    var i = 0
    while (i < shortestLength && this[i].equals(other[i], ignoreCase = ignoreCase))
        i++
    if (this.hasSurrogatePairAt(i - 1) || other.hasSurrogatePairAt(i - 1))
        i--
    return subSequence(0, i).toString()
}

/** Returns the longest string `suffix` such that this char sequence and [other] char sequence both end with this suffix, taking care not to split surrogate pairs. If this and [other] have no common suffix, returns the empty string. */
@param ignoreCase `true` to ignore character case when matching a character. By default `false`.
@sample samples.text.Strings.commonSuffixWith
public fun CharSequence.commonSuffixWith(other: CharSequence, ignoreCase: Boolean = false): String {
    val thisLength = this.length
    val otherLength = other.length
    val shortestLength = minOf(thisLength, otherLength)
    var i = 0
    while (i < shortestLength && this[thisLength - i - 1].equals(other[otherLength - i - 1], ignoreCase = ignoreCase))
        i++
    if (this.hasSurrogatePairAt(thisLength - i - 1) || other.hasSurrogatePairAt(otherLength - i - 1))
        i--
    return subSequence(thisLength - i, thisLength).toString()
}

/** indexOfAny() */
/** Finds the index of the first occurrence of any of the specified [chars] in this char sequence, starting from the specified [startIndex] and optionally ignoring the case. */
@param ignoreCase `true` to ignore character case when matching a character. By default `false`.
@return An index of the first occurrence of matched character from [chars] or -1 if none of [chars] are found.
public fun CharSequence.indexOfAny(chars: CharArray, startIndex: Int = 0, ignoreCase: Boolean = false): Int {
    if (!ignoreCase && chars.size == 1 && this is String)
        val char = chars.single()
        return nativeIndexOf(char, startIndex)
    for (index in startIndex.coerceAtLeast(0)..lastIndex)
        val charAtIndex = get(index)
        if (chars.any { it.equals(charAtIndex, ignoreCase) })
            return index
    return -1
}

/** lastIndexOfAny() */
/** Finds the index of the last occurrence of any of the specified [chars] in this char sequence, starting from the specified [startIndex] and optionally ignoring the case. */
@param startIndex The index of character to start searching at. The search proceeds backward toward the beginning of the string.
@param ignoreCase `true` to ignore character case when matching a character. By default `false`.
@return An index of the last occurrence of matched character from [chars] or -1 if none of [chars] are found.
public fun CharSequence.lastIndexOfAny(chars: CharArray, startIndex: Int = lastIndex, ignoreCase: Boolean = false): Int {
    if (!ignoreCase && chars.size == 1 && this is String)
        val char = chars.single()
        return nativeLastIndexOf(char, startIndex)
    for (index in startIndex.coerceAtMost(lastIndex) downTo 0)
        val charAtIndex = get(index)
        if (chars.any { it.equals(charAtIndex, ignoreCase) })
            return index
    return -1
}

private fun CharSequence.indexOf(other: CharSequence, startIndex: Int, endIndex: Int, ignoreCase: Boolean, last: Boolean = false): Int {
    val indices = if (!last)
        startIndex.coerceAtLeast(0)..endIndex.coerceAtMost(length)
    else
        startIndex.coerceAtMost(lastIndex) downTo endIndex.coerceAtLeast(0)
    if (this is String && other is String) { // smart cast
        for (index in indices)
            if (other.regionMatches(0, this, index, other.length, ignoreCase))
                return index
    } else {
        for (index in indices)
            if (other.regionMatchesImpl(0, this, index, other.length, ignoreCase))
                return index
    }
    return -1
}

private fun CharSequence.findAnyOf(strings: Collection<String>, startIndex: Int, ignoreCase: Boolean, last: Boolean): Pair<Int, String>? {
    if (!ignoreCase && strings.size == 1)
        val string = strings.single()
        val index = if (!last) indexOf(string, startIndex) else

```

```

lastIndexOf(string, startIndex)\n    return if (index < 0) null else index to string\n  }\n\n  val indices = if (!last)
startIndex.coerceAtLeast(0)..length else startIndex.coerceAtMost(lastIndex) downTo 0\n\n  if (this is String) {\n
for (index in indices) {\n    val matchingString = strings.firstOrNull { it.regionMatches(0, this, index, it.length,
ignoreCase) }\n    if (matchingString != null)\n      return index to matchingString\n    }\n  } else {\n
for (index in indices) {\n    val matchingString = strings.firstOrNull { it.regionMatchesImpl(0, this, index,
it.length, ignoreCase) }\n    if (matchingString != null)\n      return index to matchingString\n    }\n  }\n\n  return null\n}\n\n/**\n * Finds the first occurrence of any of the specified [strings] in this char sequence,\n * starting from the specified [startIndex] and optionally ignoring the case.\n * @param ignoreCase `true` to ignore character case when matching a string. By default `false`.\n * @return A pair of an index of the first occurrence of matched string from [strings] and the string matched\n * or `null` if none of [strings] are found.\n * To avoid ambiguous results when strings in [strings] have characters in common, this method proceeds from\n * the beginning to the end of this string, and finds at each position the first element in [strings]\n * that matches this string at that position.\n */\npublic fun CharSequence.findAnyOf(strings: Collection<String>, startIndex: Int = 0,
ignoreCase: Boolean = false): Pair<Int, String>? =\n  findAnyOf(strings, startIndex, ignoreCase, last =
false)\n\n/**\n * Finds the last occurrence of any of the specified [strings] in this char sequence,\n * starting from the specified [startIndex] and optionally ignoring the case.\n * @param startIndex The index of character to start searching at. The search proceeds backward toward the beginning of the string.\n * @param ignoreCase `true` to ignore character case when matching a string. By default `false`.\n * @return A pair of an index of the last occurrence of matched string from [strings] and the string matched or `null` if none of [strings] are found.\n * To avoid ambiguous results when strings in [strings] have characters in common, this method proceeds from\n * the end toward the beginning of this string, and finds at each position the first element in [strings]\n * that matches this string at that position.\n */\npublic fun CharSequence.findLastAnyOf(strings: Collection<String>, startIndex: Int =
lastIndex, ignoreCase: Boolean = false): Pair<Int, String>? =\n  findAnyOf(strings, startIndex, ignoreCase, last =
true)\n\n/**\n * Finds the index of the first occurrence of any of the specified [strings] in this char sequence,\n * starting from the specified [startIndex] and optionally ignoring the case.\n * @param ignoreCase `true` to ignore character case when matching a string. By default `false`.\n * @return An index of the first occurrence of matched string from [strings] or -1 if none of [strings] are found.\n * To avoid ambiguous results when strings in [strings] have characters in common, this method proceeds from\n * the beginning to the end of this string, and finds at each position the first element in [strings]\n * that matches this string at that position.\n */\npublic fun
CharSequence.indexOfAny(strings: Collection<String>, startIndex: Int = 0, ignoreCase: Boolean = false): Int =\n  findAnyOf(strings, startIndex, ignoreCase, last = false)?.first ?: -1\n\n/**\n * Finds the index of the last occurrence of any of the specified [strings] in this char sequence,\n * starting from the specified [startIndex] and optionally ignoring the case.\n * @param startIndex The index of character to start searching at. The search proceeds backward toward the beginning of the string.\n * @param ignoreCase `true` to ignore character case when matching a string. By default `false`.\n * @return An index of the last occurrence of matched string from [strings] or -1 if none of [strings] are found.\n * To avoid ambiguous results when strings in [strings] have characters in common, this method proceeds from\n * the end toward the beginning of this string, and finds at each position the first element in [strings]\n * that matches this string at that position.\n */\npublic fun
CharSequence.lastIndexOfAny(strings: Collection<String>, startIndex: Int = lastIndex, ignoreCase: Boolean =
false): Int =\n  findAnyOf(strings, startIndex, ignoreCase, last = true)?.first ?: -1\n\n// indexOf\n\n/**\n * Returns the index within this string of the first occurrence of the specified character, starting from the specified [startIndex].\n * @param ignoreCase `true` to ignore character case when matching a character. By default `false`.\n * @return An index of the first occurrence of [char] or -1 if none is found.\n */\npublic fun
CharSequence.indexOf(char: Char, startIndex: Int = 0, ignoreCase: Boolean = false): Int {\n  return if (ignoreCase
|| this !is String)\n    indexOfAny(charArrayOf(char), startIndex, ignoreCase)\n  else\n    nativeIndexOf(char,
startIndex)\n}\n\n/**\n * Returns the index within this char sequence of the first occurrence of the specified [string],\n * starting from the specified [startIndex].\n * @param ignoreCase `true` to ignore character case when matching a string. By default `false`.\n * @return An index of the first occurrence of [string] or -1 if none is

```

```

found.\n * @sample samples.text.Strings.indexOf\n */\npublic fun CharSequence.indexOf(string: String, startIndex:
Int = 0, ignoreCase: Boolean = false): Int {\n    return if (ignoreCase || this !is String)\n        indexOf(string,
startIndex, length, ignoreCase)\n    else\n        nativeIndexOf(string, startIndex)\n}\n\n/**\n * Returns the index
within this char sequence of the last occurrence of the specified character,\n * starting from the specified
[startIndex].\n *\n * @param startIndex The index of character to start searching at. The search proceeds backward
toward the beginning of the string.\n * @param ignoreCase `true` to ignore character case when matching a
character. By default `false`.\n * @return An index of the last occurrence of [char] or -1 if none is found.\n
*/\npublic fun CharSequence.lastIndexOf(char: Char, startIndex: Int = lastIndexOf, ignoreCase: Boolean = false): Int
{\n    return if (ignoreCase || this !is String)\n        lastIndexOfAny(charArrayOf(char), startIndex, ignoreCase)\n
else\n    nativeLastIndexOf(char, startIndex)\n}\n\n/**\n * Returns the index within this char sequence of the last
occurrence of the specified [string],\n * starting from the specified [startIndex].\n *\n * @param startIndex The
index of character to start searching at. The search proceeds backward toward the beginning of the string.\n *
@param ignoreCase `true` to ignore character case when matching a string. By default `false`.\n * @return An index
of the last occurrence of [string] or -1 if none is found.\n */\npublic fun CharSequence.lastIndexOf(string: String,
startIndex: Int = lastIndexOf, ignoreCase: Boolean = false): Int {\n    return if (ignoreCase || this !is String)\n
indexOf(string, startIndex, 0, ignoreCase, last = true)\n    else\n        nativeLastIndexOf(string,
startIndex)\n}\n\n/**\n * Returns `true` if this char sequence contains the specified [other] sequence of characters as
a substring.\n *\n * @param ignoreCase `true` to ignore character case when comparing strings. By default `false`.\n
*/\n\n@Suppress("INAPPLICABLE_OPERATOR_MODIFIER")\npublic operator fun
CharSequence.contains(other: CharSequence, ignoreCase: Boolean = false): Boolean =\n    if (other is String)\n        indexOf(other, ignoreCase = ignoreCase) >= 0\n    else\n        indexOf(other, 0, length, ignoreCase) >=
0\n}\n\n/**\n * Returns `true` if this char sequence contains the specified character [char].\n *\n * @param
ignoreCase `true` to ignore character case when comparing characters. By default `false`.\n
*/\n\n@Suppress("INAPPLICABLE_OPERATOR_MODIFIER")\npublic operator fun CharSequence.contains(char:
Char, ignoreCase: Boolean = false): Boolean =\n    indexOf(char, ignoreCase = ignoreCase) >= 0\n}\n\n/**\n * Returns
`true` if this char sequence contains at least one match of the specified regular expression [regex].\n
*/\n\n@kotlin.internal.InlineOnly\npublic inline operator fun CharSequence.contains(regex: Regex): Boolean =
regex.containsMatchIn(this)\n\n\n// rangesDelimitedBy\n\nprivate class DelimitedRangesSequence(\n    private
input: CharSequence,\n    private val startIndex: Int,\n    private val limit: Int,\n    private val getNextMatch:
CharSequence.(current: Int) -> Pair<Int, Int>?(): Sequence<IntRange> {\n\n    override fun iterator():
Iterator<IntRange> = object : Iterator<IntRange> {\n        var nextState: Int = -1 // -1 for unknown, 0 for done, 1 for
continue\n        var currentStartIndex: Int = startIndex.coerceIn(0, input.length)\n        var nextSearchIndex: Int =
currentStartIndex\n        var nextItem: IntRange? = null\n        var counter: Int = 0\n\n        private fun calcNext() {\n
            if (nextSearchIndex < 0) {\n                nextState = 0\n                nextItem = null\n            } else {\n
                if (limit > 0 && ++counter >= limit || nextSearchIndex > input.length) {\n                    nextItem =
currentStartIndex..input.lastIndex\n                    nextSearchIndex = -1\n                } else {\n                   
val match = input.getNextMatch(nextSearchIndex)\n                    if (match == null) {\n                        nextItem =
currentStartIndex..input.lastIndex\n                        nextSearchIndex = -1\n                    } else {\n                       
val (index, length) = match\n                        nextItem = currentStartIndex until index\n                        currentStartIndex
= index + length\n                        nextSearchIndex = currentStartIndex + if (length == 0) 1 else 0\n                    }\n
                }\n                nextState = 1\n            }\n        }\n\n        override fun next(): IntRange {\n            if (nextState ==
-1)\n                calcNext()\n            if (nextState == 0)\n                throw NoSuchElementException()\n            val
result = nextItem as IntRange\n            // Clean next to avoid keeping reference on yielded instance\n            nextItem = null\n            nextState = -1\n            return result\n        }\n\n        override fun hasNext(): Boolean {\n
            if (nextState == -1)\n                calcNext()\n            return nextState == 1\n        }\n    }\n}\n\n/**\n * Returns a
sequence of index ranges of substrings in this char sequence around occurrences of the specified [delimiters].\n *\n *
@param delimiters One or more characters to be used as delimiters.\n * @param startIndex The index to start
searching delimiters from.\n * No range having its start value less than [startIndex] is returned.\n * [startIndex] is

```

```

coerced to be non-negative and not greater than length of this string.\n * @param ignoreCase `true` to ignore
character case when matching a delimiter. By default `false`.\n * @param limit The maximum number of substrings
to return. Zero by default means no limit is set.\n */\nprivate fun CharSequence.rangesDelimitedBy(delimiters:
CharArray, startIndex: Int = 0, ignoreCase: Boolean = false, limit: Int = 0): Sequence<IntRange> {\n
requireNonNegativeLimit(limit)\n\n return DelimitedRangesSequence(this, startIndex, limit, { currentIndex ->\n
indexOfAny(delimiters, currentIndex, ignoreCase = ignoreCase).let { if (it < 0) null else it to 1 }\n
})\n}\n\n/**\n * Returns a sequence of index ranges of substrings in this char sequence around occurrences of the
specified [delimiters].\n * @param delimiters One or more strings to be used as delimiters.\n * @param
startIndex The index to start searching delimiters from.\n * No range having its start value less than [startIndex] is
returned.\n * [startIndex] is coerced to be non-negative and not greater than length of this string.\n * @param
ignoreCase `true` to ignore character case when matching a delimiter. By default `false`.\n * @param limit The
maximum number of substrings to return. Zero by default means no limit is set.\n * \n * To avoid ambiguous results
when strings in [delimiters] have characters in common, this method proceeds from\n * the beginning to the end of
this string, and finds at each position the first element in [delimiters]\n * that matches this string at that position.\n
*/\nprivate fun CharSequence.rangesDelimitedBy(delimiters: Array<out String>, startIndex: Int = 0, ignoreCase:
Boolean = false, limit: Int = 0): Sequence<IntRange> {\n requireNonNegativeLimit(limit)\n val delimitersList =
delimiters.asList()\n\n return DelimitedRangesSequence(this, startIndex, limit, { currentIndex ->
findAnyOf(delimitersList, currentIndex, ignoreCase = ignoreCase, last = false)?.let { it.first to it.second.length }
})\n}\n\ninternal fun requireNonNegativeLimit(limit: Int) =\n require(limit >= 0) { \"Limit must be non-
negative, but was $limit\" }\n\n// split\n/**\n * Splits this char sequence to a sequence of strings around
occurrences of the specified [delimiters].\n * @param delimiters One or more strings to be used as delimiters.\n
* @param ignoreCase `true` to ignore character case when matching a delimiter. By default `false`.\n * @param
limit The maximum number of substrings to return. Zero by default means no limit is set.\n * \n * To avoid
ambiguous results when strings in [delimiters] have characters in common, this method proceeds from\n * the
beginning to the end of this string, and finds at each position the first element in [delimiters]\n * that matches this
string at that position.\n */\npublic fun CharSequence.splitToSequence(vararg delimiters: String, ignoreCase:
Boolean = false, limit: Int = 0): Sequence<String> =\n rangesDelimitedBy(delimiters, ignoreCase = ignoreCase,
limit = limit).map { substring(it) }\n\n/**\n * Splits this char sequence to a list of strings around occurrences of the
specified [delimiters].\n * @param delimiters One or more strings to be used as delimiters.\n * @param
ignoreCase `true` to ignore character case when matching a delimiter. By default `false`.\n * @param limit The
maximum number of substrings to return. Zero by default means no limit is set.\n * \n * To avoid ambiguous results
when strings in [delimiters] have characters in common, this method proceeds from\n * the beginning to the end of
this string, and matches at each position the first element in [delimiters]\n * that is equal to a delimiter in this
instance at that position.\n */\npublic fun CharSequence.split(vararg delimiters: String, ignoreCase: Boolean = false,
limit: Int = 0): List<String> {\n if (delimiters.size == 1) {\n val delimiter = delimiters[0]\n if
(!delimiter.isEmpty()) {\n return split(delimiter, ignoreCase, limit)\n }\n }\n\n return
rangesDelimitedBy(delimiters, ignoreCase = ignoreCase, limit = limit).asIterable().map { substring(it) }\n}\n\n/**\n * Splits this char sequence to a sequence of strings around occurrences of the specified [delimiters].\n * @param
delimiters One or more characters to be used as delimiters.\n * @param ignoreCase `true` to ignore character case
when matching a delimiter. By default `false`.\n * @param limit The maximum number of substrings to return.\n
*/\npublic fun CharSequence.splitToSequence(vararg delimiters: Char, ignoreCase: Boolean = false, limit: Int = 0):
Sequence<String> =\n rangesDelimitedBy(delimiters, ignoreCase = ignoreCase, limit = limit).map { substring(it)
}\n\n/**\n * Splits this char sequence to a list of strings around occurrences of the specified [delimiters].\n * @param
delimiters One or more characters to be used as delimiters.\n * @param ignoreCase `true` to ignore
character case when matching a delimiter. By default `false`.\n * @param limit The maximum number of substrings
to return.\n */\npublic fun CharSequence.split(vararg delimiters: Char, ignoreCase: Boolean = false, limit: Int = 0):
List<String> {\n if (delimiters.size == 1) {\n return split(delimiters[0].toString(), ignoreCase, limit)\n }\n\n
return rangesDelimitedBy(delimiters, ignoreCase = ignoreCase, limit = limit).asIterable().map { substring(it)
}

```



```

@sample samples.text.Strings.toBooleanStrictOrNull\n *^\n@SinceKotlin("1.5")\npublic fun
String.toBooleanStrictOrNull(): Boolean? = when (this) {\n  "true" -> true\n  "false" -> false\n  else ->
null\n}"/*\n * Copyright 2010-2022 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *^\n\n//
Auto-generated file. DO NOT EDIT!\n\npackage kotlin\n\nimport
kotlin.jvm.*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@JvmInline\npublic value class
UByteArray\n@PublishedApi\ninternal constructor(@PublishedApi internal val storage: ByteArray) :
Collection<UByte> {\n  /** Creates a new array of the specified [size], with all elements initialized to zero. *\n
public constructor(size: Int) : this(ByteArray(size))\n  /**\n   * Returns the array element at the given [index].
This method can be called using the index operator.\n   *\n   * If the [index] is out of bounds of this array, throws
an [IndexOutOfBoundsException] except in Kotlin/JS\n   * where the behavior is unspecified.\n   *\n   public
operator fun get(index: Int): UByte = storage[index].toUByte()\n   /**\n   * Sets the element at the given [index]
to the given [value]. This method can be called using the index operator.\n   *\n   * If the [index] is out of bounds
of this array, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n   * where the behavior is
unspecified.\n   *\n   public operator fun set(index: Int, value: UByte) {\n     storage[index] = value.toByte()\n
  }\n  /** Returns the number of elements in the array. *\n   public override val size: Int get() = storage.size\n
  /** Creates an iterator over the elements of the array. *\n   public override operator fun iterator():
kotlin.collections.Iterator<UByte> = Iterator(storage)\n  @Suppress("DEPRECATION_ERROR")\n  private
class Iterator(private val array: ByteArray) : UByteIterator() {\n    private var index = 0\n    override fun
hasNext() = index < array.size\n    override fun nextUByte() = if (index < array.size) array[index++].toUByte()
else throw NoSuchElementException(index.toString())\n  }\n  override fun contains(element: UByte): Boolean
{\n    // TODO: Eliminate this check after KT-30016 gets fixed.\n    // Currently JS BE does not generate
special bridge method for this method.\n    @Suppress("USELESS_CAST")\n    if ((element as Any?) !is
UByte) return false\n    return storage.contains(element.toByte())\n  }\n  override fun containsAll(elements:
Collection<UByte>): Boolean {\n    return (elements as Collection<*>).all { it is UByte &&
storage.contains(it.toByte()) }\n  }\n  override fun isEmpty(): Boolean = this.storage.size == 0\n}\n\n/**\n *
Creates a new array of the specified [size], where each element is calculated by calling the specified\n * [init]
function.\n * \n * The function [init] is called for each array element sequentially starting from the first one.\n * It
should return the value for an array element given its index.\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotl.in.internal.InlineOnly\npublic inline fun
UByteArray(size: Int, init: (Int) -> UByte): UByteArray {\n  return UByteArray(ByteArray(size) { index ->
init(index).toByte()
})\n}\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotl.in.internal.InlineOnly\npublic inline fun
ubyteArrayOf(vararg elements: UByte): UByteArray = elements\n"/*\n * Copyright 2010-2022 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n *^\n\n// Auto-generated file. DO NOT EDIT!\n\npackage
kotlin\n\nimport kotlin.jvm.*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@JvmInline\npublic
value class UIntArray\n@PublishedApi\ninternal constructor(@PublishedApi internal val storage: IntArray) :
Collection<UInt> {\n  /** Creates a new array of the specified [size], with all elements initialized to zero. *\n
public constructor(size: Int) : this(IntArray(size))\n  /**\n   * Returns the array element at the given [index].
This method can be called using the index operator.\n   *\n   * If the [index] is out of bounds of this array, throws
an [IndexOutOfBoundsException] except in Kotlin/JS\n   * where the behavior is unspecified.\n   *\n   public
operator fun get(index: Int): UInt = storage[index].toInt()\n   /**\n   * Sets the element at the given [index] to
the given [value]. This method can be called using the index operator.\n   *\n   * If the [index] is out of bounds
of this array, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n   * where the behavior is unspecified.\n
*\n   *\n   public operator fun set(index: Int, value: UInt) {\n     storage[index] = value.toInt()\n
  }\n  /** Returns the number of elements in the array. *\n   public override val size: Int get() = storage.size\n
  /** Creates an
iterator over the elements of the array. *\n   public override operator fun iterator(): kotlin.collections.Iterator<UInt>

```

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= Iterator(storage)\n\n @Suppress("DEPRECATION_ERROR")\n private class Iterator(private val array:
IntArray) : UIntIterator() {\n private var index = 0\n override fun hasNext() = index < array.size\n
override fun nextUInt() = if (index < array.size) array[index++].toUInt() else throw
NoSuchElementException(index.toString())\n }\n\n override fun contains(element: UInt): Boolean {\n //
TODO: Eliminate this check after KT-30016 gets fixed.\n // Currently JS BE does not generate special bridge
method for this method.\n @Suppress("USELESS_CAST")\n if ((element as Any?) !is UInt) return
false\n\n return storage.contains(element.toInt())\n }\n\n override fun containsAll(elements:
Collection<UInt>): Boolean {\n return (elements as Collection<*>).all { it is UInt &&
storage.contains(it.toInt()) }\n }\n\n override fun isEmpty(): Boolean = this.storage.size == 0\n\n/**\n *
Creates a new array of the specified [size], where each element is calculated by calling the specified\n * [init]
function.\n * The function [init] is called for each array element sequentially starting from the first one.\n * It
should return the value for an array element given its index.\n
*\n*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray(size: Int, init: (Int) -> UInt): UIntArray {\n return UIntArray(IntArray(size) { index ->
init(index).toInt()
})\n}\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
uintArrayOf(vararg elements: UInt): UIntArray = elements\n", "/*\n * Copyright 2010-2022 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\n// Auto-generated file. DO NOT EDIT!\n\npackage
kotlin\n\nimport kotlin.jvm.*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@JvmInline\npublic
value class ULongArray\n@PublishedApi\ninternal constructor(@PublishedApi internal val storage: LongArray) :
Collection<ULong> {\n\n /** Creates a new array of the specified [size], with all elements initialized to zero. *\n
*\n public constructor(size: Int) : this(LongArray(size))\n\n /**\n * Returns the array element at the given [index].
This method can be called using the index operator.\n * If the [index] is out of bounds of this array, throws
an [IndexOutOfBoundsException] except in Kotlin/JS\n * where the behavior is unspecified.\n *\n public
operator fun get(index: Int): ULong = storage[index].toULong()\n\n /**\n * Sets the element at the given
[index] to the given [value]. This method can be called using the index operator.\n * If the [index] is out of
bounds of this array, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n * where the behavior is
unspecified.\n *\n public operator fun set(index: Int, value: ULong) {\n storage[index] = value.toLong()\n
}\n\n /** Returns the number of elements in the array. *\n *\n public override val size: Int get() = storage.size\n\n
/** Creates an iterator over the elements of the array. *\n *\n public override operator fun iterator():
kotlin.collections.Iterator<ULong> = Iterator(storage)\n\n @Suppress("DEPRECATION_ERROR")\n private
class Iterator(private val array: LongArray) : ULongIterator() {\n private var index = 0\n override fun
hasNext() = index < array.size\n override fun nextULong() = if (index < array.size) array[index++].toULong()
else throw NoSuchElementException(index.toString())\n }\n\n override fun contains(element: ULong): Boolean
{\n // TODO: Eliminate this check after KT-30016 gets fixed.\n // Currently JS BE does not generate
special bridge method for this method.\n @Suppress("USELESS_CAST")\n if ((element as Any?) !is
ULong) return false\n\n return storage.contains(element.toLong())\n }\n\n override fun
containsAll(elements: Collection<ULong>): Boolean {\n return (elements as Collection<*>).all { it is ULong
&& storage.contains(it.toLong()) }\n }\n\n override fun isEmpty(): Boolean = this.storage.size == 0\n\n/**\n *
Creates a new array of the specified [size], where each element is calculated by calling the specified\n * [init]
function.\n * The function [init] is called for each array element sequentially starting from the first one.\n * It
should return the value for an array element given its index.\n
*\n*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray(size: Int, init: (Int) -> ULong): ULongArray {\n return ULongArray(LongArray(size) { index ->
init(index).toLong()
})\n}\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ulongArrayOf(vararg elements: ULong): ULongArray = elements\n", "/*\n * Copyright 2010-2022 JetBrains s.r.o.

```

and Kotlin Programming Language contributors.\n \* Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n \*^/\n\n// Auto-generated file. DO NOT EDIT!\n\npackage kotlin\n\nimport kotlin.jvm.\*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@JvmInline\npublic value class UShortArray\n@PublishedApi\ninternal constructor(@PublishedApi internal val storage: ShortArray) : Collection<UShort> {\n\n /\*\* Creates a new array of the specified [size], with all elements initialized to zero. \*\n\n public constructor(size: Int) : this(ShortArray(size))\n\n /\*\*\n\n \* Returns the array element at the given [index]. This method can be called using the index operator.\n\n \*\n\n \* If the [index] is out of bounds of this array, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n\n \* where the behavior is unspecified.\n\n \*\n\n public operator fun get(index: Int): UShort = storage[index].toUShort()\n\n /\*\*\n\n \* Sets the element at the given [index] to the given [value]. This method can be called using the index operator.\n\n \*\n\n \* If the [index] is out of bounds of this array, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n\n \* where the behavior is unspecified.\n\n \*\n\n public operator fun set(index: Int, value: UShort) {\n\n storage[index] = value.toShort()\n\n }\n\n /\*\* Returns the number of elements in the array. \*\n\n public override val size: Int get() = storage.size\n\n /\*\* Creates an iterator over the elements of the array. \*\n\n public override operator fun iterator(): kotlin.collections.Iterator<UShort> = Iterator(storage)\n\n @Suppress("DEPRECATION\_ERROR")\n\n private class Iterator(private val array: ShortArray) : UShortIterator() {\n\n private var index = 0\n\n override fun hasNext() = index < array.size\n\n override fun nextUShort() = if (index < array.size) array[index++].toUShort() else throw NoSuchElementException(index.toString())\n\n }\n\n override fun contains(element: UShort): Boolean {\n\n // TODO: Eliminate this check after KT-30016 gets fixed.\n\n // Currently JS BE does not generate special bridge method for this method.\n\n @Suppress("USELESS\_CAST")\n\n if ((element as Any?) !is UShort) return false\n\n return storage.contains(element.toShort())\n\n }\n\n override fun containsAll(elements: Collection<UShort>): Boolean {\n\n return (elements as Collection<\*>).all { it is UShort && storage.contains(it.toShort()) }\n\n }\n\n override fun isEmpty(): Boolean = this.storage.size == 0\n\n /\*\*\n\n \* Creates a new array of the specified [size], where each element is calculated by calling the specified\n\n \* [init] function.\n\n \*\n\n \* The function [init] is called for each array element sequentially starting from the first one.\n\n \*\n\n \* It should return the value for an array element given its index.\n\n \*\n\n @SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotl.in.internal.InlineOnly\npublic inline fun UShortArray(size: Int, init: (Int) -> UShort): UShortArray {\n\n return UShortArray(ShortArray(size) { index -> init(index).toShort() }\n\n })\n\n}\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotl.in.internal.InlineOnly\npublic inline fun ushortArrayOf(vararg elements: UShort): UShortArray = elements\n\n",/\*\n\n \* Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n\n \* Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n\n \*\n\n @file:kotlin.jvm.JvmMultifileClass\n\n @file:kotlin.jvm.JvmName("UArraysKt")\n\n @file:kotlin.jvm.JvmPackageName("kotlin.collections.unsigned")\n\n\npackage kotlin.collections\n\n\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n\n// See: https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\n\nimport kotlin.random.\*\n\nimport kotlin.ranges.contains\n\nimport kotlin.ranges.reversed\n\n\n/\*\*\n\n \* Returns 1st \*element\* from the array.\n\n \*\n\n \* If the size of this array is less than 1, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n\n \* where the behavior is unspecified.\n\n \*\n\n @SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotl.in.internal.InlineOnly\npublic inline operator fun UIntArray.component1(): UInt {\n\n return get(0)\n\n }\n\n /\*\*\n\n \* Returns 1st \*element\* from the array.\n\n \*\n\n \* If the size of this array is less than 1, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n\n \* where the behavior is unspecified.\n\n \*\n\n @SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotl.in.internal.InlineOnly\npublic inline operator fun ULongArray.component1(): ULong {\n\n return get(0)\n\n }\n\n /\*\*\n\n \* Returns 1st \*element\* from the array.\n\n \*\n\n \* If the size of this array is less than 1, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n\n \* where the behavior is unspecified.\n\n \*\n\n @SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotl.in.internal.InlineOnly\npublic inline operator fun

UByteArray.component1(): UByte { \n return get(0)\n}\n\n/\*\* \n \* Returns 1st \*element\* from the array.\n \* \n \* If the size of this array is less than 1, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun UShortArray.component1(): UShort { \n return get(0)\n}\n\n/\*\* \n \* Returns 2nd \*element\* from the array.\n \* \n \* If the size of this array is less than 2, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun UIntArray.component2(): UInt { \n return get(1)\n}\n\n/\*\* \n \* Returns 2nd \*element\* from the array.\n \* \n \* If the size of this array is less than 2, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun ULongArray.component2(): ULong { \n return get(1)\n}\n\n/\*\* \n \* Returns 2nd \*element\* from the array.\n \* \n \* If the size of this array is less than 2, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun UByteArray.component2(): UByte { \n return get(1)\n}\n\n/\*\* \n \* Returns 2nd \*element\* from the array.\n \* \n \* If the size of this array is less than 2, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun UShortArray.component2(): UShort { \n return get(1)\n}\n\n/\*\* \n \* Returns 3rd \*element\* from the array.\n \* \n \* If the size of this array is less than 3, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun UIntArray.component3(): UInt { \n return get(2)\n}\n\n/\*\* \n \* Returns 3rd \*element\* from the array.\n \* \n \* If the size of this array is less than 3, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun ULongArray.component3(): ULong { \n return get(2)\n}\n\n/\*\* \n \* Returns 3rd \*element\* from the array.\n \* \n \* If the size of this array is less than 3, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun UByteArray.component3(): UByte { \n return get(2)\n}\n\n/\*\* \n \* Returns 3rd \*element\* from the array.\n \* \n \* If the size of this array is less than 3, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun UShortArray.component3(): UShort { \n return get(2)\n}\n\n/\*\* \n \* Returns 4th \*element\* from the array.\n \* \n \* If the size of this array is less than 4, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun UIntArray.component4(): UInt { \n return get(3)\n}\n\n/\*\* \n \* Returns 4th \*element\* from the array.\n \* \n \* If the size of this array is less than 4, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun ULongArray.component4(): ULong { \n return get(3)\n}\n\n/\*\* \n \* Returns 4th \*element\* from the array.\n \* \n \* If the size of this array is less than 4, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

\*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun UByteArray.component4(): UByte { \n return get(3)\n}\n\n/\*\* \n \* Returns 4th \*element\* from the array.\n \* \n \* If the size of this array is less than 4, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n \* where the behavior is unspecified.\n

If the size of this array is less than 4, throws an [IndexOutOfBoundsException] except in Kotlin/JS where the behavior is unspecified.

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun  
UShortArray.component4(): UShort {\n    return get(3)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n *  
If the size of this array is less than 5, throws an [IndexOutOfBoundsException] except in Kotlin/JS where the  
behavior is unspecified.
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun  
UIntArray.component5(): UInt {\n    return get(4)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n *  
If the size of this array is less than 5, throws an [IndexOutOfBoundsException] except in Kotlin/JS where the  
behavior is unspecified.
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun  
UByteArray.component5(): UByte {\n    return get(4)\n}\n\n/**\n * Returns 5th *element* from the array.\n * \n *  
If the size of this array is less than 5, throws an [IndexOutOfBoundsException] except in Kotlin/JS where the  
behavior is unspecified.
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun  
UShortArray.component5(): UShort {\n    return get(4)\n}\n\n/**\n * Returns an element at the given [index] or  
throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n * \n * @sample  
samples.collections.Collections.Elements.elementAt
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun UIntArray.elementAt(index: Int):  
UInt\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is  
out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.elementAt
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun ULongArray.elementAt(index: Int):  
ULong\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index]  
is out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.elementAt
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun UByteArray.elementAt(index: Int):  
UByte\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index]  
is out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.elementAt
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun UShortArray.elementAt(index: Int):  
UShort\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue] function if the  
[index] is out of bounds of this array.\n * \n * @sample  
samples.collections.Collections.Elements.elementAtOrElse
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UIntArray.elementAtOrElse(index: Int, defaultValue: (Int) -> UInt): UInt {\n    return if (index >= 0 && index <=  
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of  
calling the [defaultValue] function if the [index] is out of bounds of this array.\n * \n * @sample  
samples.collections.Collections.Elements.elementAtOrElse
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
ULongArray.elementAtOrElse(index: Int, defaultValue: (Int) -> ULong): ULong {\n    return if (index >= 0 &&  
index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the  
result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n * \n * @sample  
samples.collections.Collections.Elements.elementAtOrElse
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UByteArray.elementAtOrElse(index: Int, defaultValue: (Int) -> UByte): UByte {\n    return if (index >= 0 && index  
<= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result  
of calling the [defaultValue] function if the [index] is out of bounds of this array.\n * \n * @sample
```

```

samples.collections.Collections.Elements.elementAtOrElse\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.elementAtOrElse(index: Int, defaultValue: (Int) -> UShort): UShort {\n    return if (index >= 0 &&
index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or
`null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.elementAtOrNull(index: Int): UInt? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns an element
at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.elementAtOrNull(index: Int): ULong? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns an
element at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.elementAtOrNull(index: Int): UByte? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns an
element at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.elementAtOrNull(index: Int): UShort? {\n    return this.getOrNull(index)\n}\n\n/**\n * Returns the
first element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.find(predicate: (UInt) -> Boolean): UInt? {\n    return firstOrNull(predicate)\n}\n\n/**\n * Returns the
first element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.find(predicate: (ULong) -> Boolean): ULong? {\n    return firstOrNull(predicate)\n}\n\n/**\n *
Returns the first element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.find(predicate: (UByte) -> Boolean): UByte? {\n    return firstOrNull(predicate)\n}\n\n/**\n * Returns
the first element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.find(predicate: (UShort) -> Boolean): UShort? {\n    return firstOrNull(predicate)\n}\n\n/**\n *
Returns the last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.findLast(predicate: (UInt) -> Boolean): UInt? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns the
last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.findLast(predicate: (ULong) -> Boolean): ULong? {\n    return lastOrNull(predicate)\n}\n\n/**\n *
Returns the last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.find\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.findLast(predicate: (UByte) -> Boolean): UByte? {\n    return lastOrNull(predicate)\n}\n\n/**\n *

```

Returns the last element matching the given [predicate], or `null` if no such element was found.

```

@sample
samples.collections.Collections.Elements.findLast

```

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.findLast(predicate: (UShort) -> Boolean): UShort? {
    return lastOrNull(predicate)
}

```

Returns first element.

```

@throws [NoSuchElementException] if the array is empty.

```

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.first(): UInt {
    return storage.first().toUInt()
}

```

Returns first element.

```

@throws
[NoSuchElementException] if the array is empty.

```

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.first(): ULong {
    return storage.first().toULong()
}

```

Returns first element.

```

@throws
[NoSuchElementException] if the array is empty.

```

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.first(): UByte {
    return storage.first().toUByte()
}

```

Returns first element.

```

@throws
[NoSuchElementException] if the array is empty.

```

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.first(predicate: (UShort) -> Boolean): UShort {
    return storage.firstOrNull(predicate).toUShort()
}

```

Returns the first element matching the given [predicate].

```

@throws [NoSuchElementException] if no such element is found.

```

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.first(predicate: (UInt) -> Boolean): UInt {
    for (element in this) if (predicate(element)) return
    element
    throw NoSuchElementException("Array contains no element matching the predicate.")
}

```

Returns the first element matching the given [predicate].

```

@throws [NoSuchElementException] if no such
element is found.

```

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.first(predicate: (ULong) -> Boolean): ULong {
    for (element in this) if (predicate(element)) return
    element
    throw NoSuchElementException("Array contains no element matching the predicate.")
}

```

Returns the first element matching the given [predicate].

```

@throws [NoSuchElementException] if no such
element is found.

```

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.first(predicate: (UByte) -> Boolean): UByte {
    for (element in this) if (predicate(element)) return
    element
    throw NoSuchElementException("Array contains no element matching the predicate.")
}

```

Returns the first element matching the given [predicate].

```

@throws [NoSuchElementException] if no such
element is found.

```

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.first(predicate: (UShort) -> Boolean): UShort {
    for (element in this) if (predicate(element)) return
    element
    throw NoSuchElementException("Array contains no element matching the predicate.")
}

```

Returns the first element, or `null` if the array is empty.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes\npublic fun UIntArray.firstOrNull(): UInt? {
    return
    if (isEmpty()) null else this[0]
}

```

Returns the first element, or `null` if the array is empty.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes\npublic fun ULongArray.firstOrNull(): ULong? {
    return
    if (isEmpty()) null else this[0]
}

```

Returns the first element, or `null` if the array is empty.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes\npublic fun UByteArray.firstOrNull(): UByte? {
    return
    if (isEmpty()) null else this[0]
}

```

Returns the first element, or `null` if the array is empty.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes\npublic fun UShortArray.firstOrNull(): UShort? {
    return
    if (isEmpty()) null else this[0]
}

```

Returns the first element matching the given [predicate], or `null` if element was not found.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.firstOrNull(predicate: (UInt) -> Boolean): UInt? {
    for (element in this) if (predicate(element)) return
    element
    return null
}

```

Returns the first element matching the given [predicate], or `null` if element

```

was not found.\n *^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic
inline fun ULongArray.firstOrNull(predicate: (ULong) -> Boolean): ULong? {\n  for (element in this) if
(predicate(element)) return element\n  return null\n}\n\n/**\n * Returns the first element matching the given
[predicate], or `null` if element was not found.\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.firstOrNull(predicate: (UByte) -> Boolean): UByte? {\n  for (element in this) if (predicate(element))
return element\n  return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if
element was not found.\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.firstOrNull(predicate: (UShort) -> Boolean): UShort? {\n  for (element in this) if (predicate(element))
return element\n  return null\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the
[defaultValue] function if the [index] is out of bounds of this array.\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.getOrNull(index: Int, defaultValue: (Int) -> UInt): UInt? {\n  return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of
calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.getOrNull(index: Int, defaultValue: (Int) -> UByte): UByte? {\n  return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of
calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.getOrNull(index: Int, defaultValue: (Int) -> UShort): UShort? {\n  return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or `null` if the
[index] is out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.getOrNull\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.getOrNull(index: Int): UInt? {\n
return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the given
[index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.getOrNull(index: Int):
ULong? {\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at
the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.getOrNull(index: Int): UByte?
{\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the
given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.getOrNull\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.getOrNull(index: Int):
UShort? {\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns first index of
[element], or -1 if the array does not contain element.\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.indexOf(element: UInt): Int {\n  return storage.indexOf(element.toInt())\n}\n\n/**\n * Returns first
index of [element], or -1 if the array does not contain element.\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.indexOf(element: ULong): Int {\n  return storage.indexOf(element.toLong())\n}\n\n/**\n * Returns

```

```

first index of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.indexOf(element: UByte): Int {\n    return storage.indexOf(element.toByte())\n}\n\n/**\n * Returns
first index of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.indexOf(element: UShort): Int {\n    return storage.indexOf(element.toShort())\n}\n\n/**\n * Returns
index of the first element matching the given [predicate], or -1 if the array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.indexOfFirst(predicate: (UInt) -> Boolean): Int {\n    return storage.indexOfFirst { predicate(it.toUInt())
}\n}\n\n/**\n * Returns index of the first element matching the given [predicate], or -1 if the array does not contain
such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic
inline fun ULongArray.indexOfFirst(predicate: (ULong) -> Boolean): Int {\n    return storage.indexOfFirst {
predicate(it.toULong()) }\n}\n\n/**\n * Returns index of the first element matching the given [predicate], or -1 if the
array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.indexOfFirst(predicate: (UByte) -> Boolean): Int {\n    return storage.indexOfFirst {
predicate(it.toUByte()) }\n}\n\n/**\n * Returns index of the first element matching the given [predicate], or -1 if the
array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.indexOfFirst(predicate: (UShort) -> Boolean): Int {\n    return storage.indexOfFirst {
predicate(it.toUShort()) }\n}\n\n/**\n * Returns index of the last element matching the given [predicate], or -1 if the
array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.indexOfLast(predicate: (UInt) -> Boolean): Int {\n    return storage.indexOfLast { predicate(it.toUInt())
}\n}\n\n/**\n * Returns index of the last element matching the given [predicate], or -1 if the array does not contain
such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic
inline fun ULongArray.indexOfLast(predicate: (ULong) -> Boolean): Int {\n    return storage.indexOfLast {
predicate(it.toULong()) }\n}\n\n/**\n * Returns index of the last element matching the given [predicate], or -1 if the
array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.indexOfLast(predicate: (UByte) -> Boolean): Int {\n    return storage.indexOfLast {
predicate(it.toUByte()) }\n}\n\n/**\n * Returns index of the last element matching the given [predicate], or -1 if the
array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.indexOfLast(predicate: (UShort) -> Boolean): Int {\n    return storage.indexOfLast {
predicate(it.toUShort()) }\n}\n\n/**\n * Returns the last element.\n * \n * @throws NoSuchElementException if the
array is empty.\n * \n * @sample samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.last(): UInt {\n    return storage.last().toUInt()\n}\n\n/**\n * Returns the last element.\n * \n * @throws
NoSuchElementException if the array is empty.\n * \n * @sample samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.last(): ULong {\n    return storage.last().toULong()\n}\n\n/**\n * Returns the last element.\n * \n *
@throws NoSuchElementException if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.last(): UByte {\n    return storage.last().toUByte()\n}\n\n/**\n * Returns the last element.\n * \n *
@throws NoSuchElementException if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.last(): UShort {\n    return storage.last().toUShort()\n}\n\n/**\n * Returns the last element matching
the given [predicate].\n * \n * @throws NoSuchElementException if no such element is found.\n * \n * @sample
samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.last(predicate: (UInt) -> Boolean): UInt {\n    for (index in this.indices.reversed()) {\n        val element =
this[index]\n        if (predicate(element)) return element\n    }\n    throw NoSuchElementException("Array contains
no element matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n * \n *
@throws NoSuchElementException if no such element is found.\n * \n * @sample
samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.last(predicate: (ULong) -> Boolean): ULong {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the last
element matching the given [predicate].\n * \n * @throws NoSuchElementException if no such element is found.\n * \n *
@sample samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.last(predicate: (UByte) -> Boolean): UByte {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the last
element matching the given [predicate].\n * \n * @throws NoSuchElementException if no such element is found.\n * \n *
@sample samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.last(predicate: (UShort) -> Boolean): UShort {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns last index
of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.lastIndexOf(element: UInt): Int {\n    return storage.lastIndexOf(element.toInt())\n}\n\n/**\n * Returns
last index of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.lastIndexOf(element: ULong): Int {\n    return storage.lastIndexOf(element.toLong())\n}\n\n/**\n *
Returns last index of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.lastIndexOf(element: UByte): Int {\n    return storage.lastIndexOf(element.toByte())\n}\n\n/**\n *
Returns last index of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.lastIndexOf(element: UShort): Int {\n    return storage.lastIndexOf(element.toShort())\n}\n\n/**\n *
Returns the last element, or `null` if the array is empty.\n * \n * @sample
samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UIntArray.lastOrNull(): UInt? {\n    return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last
element, or `null` if the array is empty.\n * \n * @sample samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
ULongArray.lastOrNull(): ULong? {\n    return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last
element, or `null` if the array is empty.\n * \n * @sample samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UByteArray.lastOrNull(): UByte? {\n    return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last
element, or `null` if the array is empty.\n * \n * @sample samples.collections.Collections.Elements.last\n

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.lastOrNull(): UShort? {\n
return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element matching the given [predicate], or
`null` if no such element was found.\n * \n * @sample samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.lastOrNull(predicate: (UInt) -> Boolean): UInt? {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns the last
element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.lastOrNull(predicate: (ULong) -> Boolean): ULong? {\n    for (index in this.indices.reversed()) {\n
val element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns the
last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.lastOrNull(predicate: (UByte) -> Boolean): UByte? {\n    for (index in this.indices.reversed()) {\n
val element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns the
last element matching the given [predicate], or `null` if no such element was found.\n * \n * @sample
samples.collections.Collections.Elements.last\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.lastOrNull(predicate: (UShort) -> Boolean): UShort? {\n    for (index in this.indices.reversed()) {\n
val element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns a
random element from this array.\n * \n * @throws NoSuchElementException if this array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.random(): UInt {\n    return random(Random)\n}\n\n/**\n * Returns a random element from this array.\n
*\n * @throws NoSuchElementException if this array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.random(): ULong {\n    return random(Random)\n}\n\n/**\n * Returns a random element from this
array.\n * \n * @throws NoSuchElementException if this array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.random(): UByte {\n    return random(Random)\n}\n\n/**\n * Returns a random element from this
array.\n * \n * @throws NoSuchElementException if this array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.random(): UShort {\n    return random(Random)\n}\n\n/**\n * Returns a random element from this
array using the specified source of randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.random(random: Random): UInt
{\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.random(random: Random):
ULong {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.random(random: Random):
UByte {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.random(random: Random):
UShort {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return

```



```

the given [predicate], or throws exception if there is no or more than one matching element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.single(predicate: (ULong) -> Boolean): ULong {\n    var single: ULong? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) throw IllegalArgumentException("Array
contains more than one matching element.")\n            single = element\n            found = true\n        }\n    }\n    if
(!found) throw NoSuchElementException("Array contains no element matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as ULong\n}\n\n/**\n * Returns the single element
matching the given [predicate], or throws exception if there is no or more than one matching element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.single(predicate: (UByte) -> Boolean): UByte {\n    var single: UByte? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) throw IllegalArgumentException("Array
contains more than one matching element.")\n            single = element\n            found = true\n        }\n    }\n    if
(!found) throw NoSuchElementException("Array contains no element matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as UByte\n}\n\n/**\n * Returns the single element
matching the given [predicate], or throws exception if there is no or more than one matching element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.single(predicate: (UShort) -> Boolean): UShort {\n    var single: UShort? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) throw IllegalArgumentException("Array
contains more than one matching element.")\n            single = element\n            found = true\n        }\n    }\n    if
(!found) throw NoSuchElementException("Array contains no element matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as UShort\n}\n\n/**\n * Returns single element, or `null` if
the array is empty or has more than one element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.singleOrNull(): UInt? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more
than one element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
ULongArray.singleOrNull(): ULong? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single
element, or `null` if the array is empty or has more than one element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UByteArray.singleOrNull(): UByte? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single
element, or `null` if the array is empty or has more than one element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UShortArray.singleOrNull(): UShort? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns the single
element matching the given [predicate], or `null` if element was not found or more than one element was found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.singleOrNull(predicate: (UInt) -> Boolean): UInt? {\n    var single: UInt? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single = element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns the single element
matching the given [predicate], or `null` if element was not found or more than one element was found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.singleOrNull(predicate: (ULong) -> Boolean): ULong? {\n    var single: ULong? = null\n    var found
= false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single =
element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns the
single element matching the given [predicate], or `null` if element was not found or more than one element was
found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun UByteArray.singleOrNull(predicate: (UByte) -> Boolean): UByte? {\n    var single: UByte? = null\n    var found
= false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single =
element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns the
single element matching the given [predicate], or `null` if element was not found or more than one element was
found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline

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fun UShortArray.singleOrNull(predicate: (UShort) -> Boolean): UShort? {
    var single: UShort? = null
    var found = false
    for (element in this) {
        if (predicate(element)) {
            if (found) return null
            single = element
            found = true
        }
    }
    if (!found) return null
    return single
}

/** Returns a list containing all elements except first [n] elements.
 * @throws IllegalArgumentException if [n] is negative.
 * @sample samples.collections.Collections.Transformations.drop
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UIntArray.drop(n: Int): List<UInt> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

/** Returns a list containing all elements except first [n] elements.
 * @throws IllegalArgumentException if [n] is negative.
 * @sample samples.collections.Collections.Transformations.drop
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun ULongArray.drop(n: Int): List<ULong> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

/** Returns a list containing all elements except first [n] elements.
 * @throws IllegalArgumentException if [n] is negative.
 * @sample samples.collections.Collections.Transformations.drop
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UByteArray.drop(n: Int): List<UByte> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

/** Returns a list containing all elements except last [n] elements.
 * @throws IllegalArgumentException if [n] is negative.
 * @sample samples.collections.Collections.Transformations.drop
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UShortArray.drop(n: Int): List<UShort> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return takeLast((size - n).coerceAtLeast(0))
}

/** Returns a list containing all elements except last [n] elements.
 * @throws IllegalArgumentException if [n] is negative.
 * @sample samples.collections.Collections.Transformations.drop
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UIntArray.dropLast(n: Int): List<UInt> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return take((size - n).coerceAtLeast(0))
}

/** Returns a list containing all elements except last [n] elements.
 * @throws IllegalArgumentException if [n] is negative.
 * @sample samples.collections.Collections.Transformations.drop
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun ULongArray.dropLast(n: Int): List<ULong> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return take((size - n).coerceAtLeast(0))
}

/** Returns a list containing all elements except last [n] elements.
 * @throws IllegalArgumentException if [n] is negative.
 * @sample samples.collections.Collections.Transformations.drop
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UByteArray.dropLast(n: Int): List<UByte> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return take((size - n).coerceAtLeast(0))
}

/** Returns a list containing all elements except last [n] elements.
 * @throws IllegalArgumentException if [n] is negative.
 * @sample samples.collections.Collections.Transformations.drop
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UShortArray.dropLast(n: Int): List<UShort> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return take((size - n).coerceAtLeast(0))
}

/** Returns a list containing all elements except last elements that satisfy the given [predicate].
 * @sample samples.collections.Collections.Transformations.drop
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun UIntArray.dropLastWhile(predicate: (UInt) -> Boolean): List<UInt> {
    for (index in lastIndex downTo 0) {
        if (!predicate(this[index])) {
            return take(index + 1)
        }
    }
    return emptyList()
}

/** Returns a list containing all elements except last elements that satisfy the given [predicate].
 * @sample samples.collections.Collections.Transformations.drop
 */

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samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.dropLastWhile(predicate: (ULong) -> Boolean): List<ULong> {\n  for (index in lastIndex downTo 0)
{\n    if (!predicate(this[index])) {\n      return take(index + 1)\n    }\n  }\n  return emptyList()\n}\n\n/**\n * Returns a list containing all elements except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.dropLastWhile(predicate: (UByte) -> Boolean): List<UByte> {\n  for (index in lastIndex downTo 0)
{\n    if (!predicate(this[index])) {\n      return take(index + 1)\n    }\n  }\n  return emptyList()\n}\n\n/**\n * Returns a list containing all elements except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.dropLastWhile(predicate: (UShort) -> Boolean): List<UShort> {\n  for (index in lastIndex downTo
0) {\n    if (!predicate(this[index])) {\n      return take(index + 1)\n    }\n  }\n  return
emptyList()\n}\n\n/**\n * Returns a list containing all elements except first elements that satisfy the given
[predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.dropWhile(predicate: (UInt) -> Boolean): List<UInt> {\n  var yielding = false\n  val list =
ArrayList<UInt>()\n  for (item in this)\n    if (yielding)\n      list.add(item)\n    else if (!predicate(item)) {\n
      list.add(item)\n      yielding = true\n    }\n  return list\n}\n\n/**\n * Returns a list containing all
elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.dropWhile(predicate: (UInt) -> Boolean): List<UInt> {\n  var yielding = false\n  val list =
ArrayList<UInt>()\n  for (item in this)\n    if (yielding)\n      list.add(item)\n    else if (!predicate(item)) {\n
      list.add(item)\n      yielding = true\n    }\n  return list\n}\n\n/**\n * Returns a list containing all
elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.dropWhile(predicate: (UByte) -> Boolean): List<UByte> {\n  var yielding = false\n  val list =
ArrayList<UByte>()\n  for (item in this)\n    if (yielding)\n      list.add(item)\n    else if (!predicate(item)) {\n
      list.add(item)\n      yielding = true\n    }\n  return list\n}\n\n/**\n * Returns a list containing all
elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.dropWhile(predicate: (UShort) -> Boolean): List<UShort> {\n  var yielding = false\n  val list =
ArrayList<UShort>()\n  for (item in this)\n    if (yielding)\n      list.add(item)\n    else if (!predicate(item)) {\n
      list.add(item)\n      yielding = true\n    }\n  return list\n}\n\n/**\n * Returns a list containing only
elements matching the given [predicate].\n * \n * @sample samples.collections.Collections.Filtering.filter\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.filter(predicate: (UInt) -> Boolean): List<UInt> {\n  return filterTo(ArrayList<UInt>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.filter(predicate: (UInt) -> Boolean): List<UInt> {\n  return filterTo(ArrayList<UInt>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.filter(predicate: (UByte) -> Boolean): List<UByte> {\n  return filterTo(ArrayList<UByte>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.filter(predicate: (UShort) -> Boolean): List<UShort> {\n  return filterTo(ArrayList<UShort>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n

```

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UByteArray.filter(predicate: (UByte) -> Boolean): List<UByte> {\n  return filterTo(ArrayList<UByte>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.filter(predicate: (UShort) -> Boolean): List<UShort> {\n  return filterTo(ArrayList<UShort>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * @param
[predicate] function that takes the index of an element and the element itself\n * and returns the result of predicate
evaluation on the element.\n * \n * @sample samples.collections.Collections.Filtering.filterIndexed\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.filterIndexed(predicate: (index: Int, UInt) -> Boolean): List<UInt> {\n  return
filterIndexedTo(ArrayList<UInt>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexed\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.filterIndexed(predicate: (index: Int, ULong) -> Boolean): List<ULong> {\n  return
filterIndexedTo(ArrayList<ULong>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexed\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.filterIndexed(predicate: (index: Int, UByte) -> Boolean): List<UByte> {\n  return
filterIndexedTo(ArrayList<UByte>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexed\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.filterIndexed(predicate: (index: Int, UShort) -> Boolean): List<UShort> {\n  return
filterIndexedTo(ArrayList<UShort>(), predicate)\n}\n\n/**\n * Appends all elements matching the given [predicate]
to the given [destination].\n * @param [predicate] function that takes the index of an element and the element
itself\n * and returns the result of predicate evaluation on the element.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexedTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UInt>> UIntArray.filterIndexedTo(destination: C, predicate: (index: Int, UInt) -> Boolean): C {\n
forEachIndexed { index, element ->\n  if (predicate(index, element)) destination.add(element)\n  }\n  return destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n *
@param [predicate] function that takes the index of an element and the element itself\n * and returns the result of
predicate evaluation on the element.\n * \n * @sample samples.collections.Collections.Filtering.filterIndexedTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in ULong>> ULongArray.filterIndexedTo(destination: C, predicate: (index: Int, ULong) ->
Boolean): C {\n  forEachIndexed { index, element ->\n    if (predicate(index, element))
destination.add(element)\n  }\n  return destination\n}\n\n/**\n * Appends all elements matching the given
[predicate] to the given [destination].\n * @param [predicate] function that takes the index of an element and the
element itself\n * and returns the result of predicate evaluation on the element.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexedTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UByte>> UByteArray.filterIndexedTo(destination: C, predicate: (index: Int, UByte) ->
Boolean): C {\n  forEachIndexed { index, element ->\n    if (predicate(index, element))

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destination.add(element)\n } \n return destination\n}\n\n/**\n * Appends all elements matching the given
[predicate] to the given [destination].\n * @param [predicate] function that takes the index of an element and the
element itself\n * and returns the result of predicate evaluation on the element.\n * \n * @sample
samples.collections.Collections.Filtering.filterIndexedTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UShort>> UShortArray.filterIndexedTo(destination: C, predicate: (index: Int, UShort) ->
Boolean): C {\n forEachIndexed { index, element ->\n if (predicate(index, element))
destination.add(element)\n } \n return destination\n}\n\n/**\n * Returns a list containing all elements not
matching the given [predicate].\n * \n * @sample samples.collections.Collections.Filtering.filter\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.filterNot(predicate: (UInt) -> Boolean): List<UInt> {\n return filterNotTo(ArrayList<UInt>(),
predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.filterNot(predicate: (ULong) -> Boolean): List<ULong> {\n return filterNotTo(ArrayList<ULong>(),
predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.filterNot(predicate: (UByte) -> Boolean): List<UByte> {\n return filterNotTo(ArrayList<UByte>(),
predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the given [predicate].\n * \n * @sample
samples.collections.Collections.Filtering.filter\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.filterNot(predicate: (UShort) -> Boolean): List<UShort> {\n return
filterNotTo(ArrayList<UShort>(), predicate)\n}\n\n/**\n * Appends all elements not matching the given [predicate]
to the given [destination].\n * \n * @sample samples.collections.Collections.Filtering.filterTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UInt>> UIntArray.filterNotTo(destination: C, predicate: (UInt) -> Boolean): C {\n for
(element in this) if (!predicate(element)) destination.add(element)\n return destination\n}\n\n/**\n * Appends all
elements not matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in ULong>> ULongArray.filterNotTo(destination: C, predicate: (ULong) -> Boolean): C {\n
for (element in this) if (!predicate(element)) destination.add(element)\n return destination\n}\n\n/**\n * Appends
all elements not matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UByte>> UByteArray.filterNotTo(destination: C, predicate: (UByte) -> Boolean): C {\n for
(element in this) if (!predicate(element)) destination.add(element)\n return destination\n}\n\n/**\n * Appends all
elements not matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UShort>> UShortArray.filterNotTo(destination: C, predicate: (UShort) -> Boolean): C {\n
for (element in this) if (!predicate(element)) destination.add(element)\n return destination\n}\n\n/**\n * Appends
all elements matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UInt>> UIntArray.filterTo(destination: C, predicate: (UInt) -> Boolean): C {\n for (element
in this) if (predicate(element)) destination.add(element)\n return destination\n}\n\n/**\n * Appends all elements

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matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in ULong>> ULongArray.filterTo(destination: C, predicate: (ULong) -> Boolean): C {\n for
(element in this) if (predicate(element)) destination.add(element)\n return destination\n}\n\n/**\n * Appends all
elements matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UByte>> UByteArray.filterTo(destination: C, predicate: (UByte) -> Boolean): C {\n for
(element in this) if (predicate(element)) destination.add(element)\n return destination\n}\n\n/**\n * Appends all
elements matching the given [predicate] to the given [destination].\n * \n * @sample
samples.collections.Collections.Filtering.filterTo\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UShort>> UShortArray.filterTo(destination: C, predicate: (UShort) -> Boolean): C {\n for
(element in this) if (predicate(element)) destination.add(element)\n return destination\n}\n\n/**\n * Returns a list
containing elements at indices in the specified [indices] range.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.slice(indices: IntRange):
List<UInt> {\n if (indices.isEmpty()) return listOf()\n return copyOfRange(indices.start, indices.endInclusive +
1).asList()\n}\n\n/**\n * Returns a list containing elements at indices in the specified [indices] range.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.slice(indices: IntRange):
List<ULong> {\n if (indices.isEmpty()) return listOf()\n return copyOfRange(indices.start, indices.endInclusive
+ 1).asList()\n}\n\n/**\n * Returns a list containing elements at indices in the specified [indices] range.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.slice(indices: IntRange):
List<UByte> {\n if (indices.isEmpty()) return listOf()\n return copyOfRange(indices.start, indices.endInclusive
+ 1).asList()\n}\n\n/**\n * Returns a list containing elements at indices in the specified [indices] range.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.slice(indices: IntRange):
List<UShort> {\n if (indices.isEmpty()) return listOf()\n return copyOfRange(indices.start, indices.endInclusive
+ 1).asList()\n}\n\n/**\n * Returns a list containing elements at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.slice(indices: Iterable<Int>):
List<UInt> {\n val size = indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list =
ArrayList<UInt>(size)\n for (index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n *
Returns a list containing elements at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.slice(indices: Iterable<Int>):
List<ULong> {\n val size = indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list =
ArrayList<ULong>(size)\n for (index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n *
Returns a list containing elements at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.slice(indices: Iterable<Int>):
List<UByte> {\n val size = indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list =
ArrayList<UByte>(size)\n for (index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n *
Returns a list containing elements at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.slice(indices: Iterable<Int>):
List<UShort> {\n val size = indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n val list =
ArrayList<UShort>(size)\n for (index in indices) {\n list.add(get(index))\n }\n return list\n}\n\n/**\n *
Returns an array containing elements of this array at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sliceArray(indices:
Collection<Int>): UIntArray {\n return UIntArray(storage.sliceArray(indices))\n}\n\n/**\n * Returns an array
containing elements of this array at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sliceArray(indices:

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Collection<Int>: ULongArray {
    return ULongArray(storage.sliceArray(indices))
}
Returns an array containing elements of this array at specified [indices].

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UByteArray.sliceArray(indices: Collection<Int>): UByteArray {
    return UByteArray(storage.sliceArray(indices))
}
Returns an array containing elements of this array at specified [indices].

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UShortArray.sliceArray(indices: Collection<Int>): UShortArray {
    return UShortArray(storage.sliceArray(indices))
}
Returns an array containing elements at indices in the specified [indices] range.

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UIntArray.sliceArray(indices: IntRange): UIntArray {
    return UIntArray(storage.sliceArray(indices))
}
Returns an array containing elements at indices in the specified [indices] range.

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun ULongArray.sliceArray(indices: IntRange): ULongArray {
    return ULongArray(storage.sliceArray(indices))
}
Returns an array containing elements at indices in the specified [indices] range.

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UByteArray.sliceArray(indices: IntRange): UByteArray {
    return UByteArray(storage.sliceArray(indices))
}
Returns an array containing elements at indices in the specified [indices] range.

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UShortArray.sliceArray(indices: IntRange): UShortArray {
    return UShortArray(storage.sliceArray(indices))
}
Returns a list containing first [n] elements.

@throws IllegalArgumentException if [n] is negative.

@sample
samples.collections.Collections.Transformations.take

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UIntArray.take(n: Int): List<UInt> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    if (n == 0) return emptyList()
    if (n >= size) return toList()
    if (n == 1) return listOf(this[0])
    var count = 0
    val list = ArrayList<UInt>(n)
    for (item in this) {
        list.add(item)
        if (++count == n) break
    }
    return list
}
Returns a list containing first [n] elements.

@throws IllegalArgumentException if [n] is negative.

@sample
samples.collections.Collections.Transformations.take

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun ULongArray.take(n: Int): List<ULong> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    if (n == 0) return emptyList()
    if (n >= size) return toList()
    if (n == 1) return listOf(this[0])
    var count = 0
    val list = ArrayList<ULong>(n)
    for (item in this) {
        list.add(item)
        if (++count == n) break
    }
    return list
}
Returns a list containing first [n] elements.

@throws IllegalArgumentException if [n] is negative.

@sample
samples.collections.Collections.Transformations.take

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UByteArray.take(n: Int): List<UByte> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    if (n == 0) return emptyList()
    if (n >= size) return toList()
    if (n == 1) return listOf(this[0])
    var count = 0
    val list = ArrayList<UByte>(n)
    for (item in this) {
        list.add(item)
        if (++count == n) break
    }
    return list
}
Returns a list containing first [n] elements.

@throws IllegalArgumentException if [n] is negative.

@sample
samples.collections.Collections.Transformations.take

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UShortArray.take(n: Int): List<UShort> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    if (n == 0) return emptyList()
    if (n >= size) return toList()
    if (n == 1) return listOf(this[0])
    var count = 0
    val list = ArrayList<UShort>(n)
    for (item in this) {
        list.add(item)
        if (++count == n) break
    }
    return list
}
Returns a list containing last [n] elements.

@throws IllegalArgumentException if [n] is negative.

@sample
samples.collections.Collections.Transformations.take

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun UIntArray.takeLast(n: Int): List<UInt> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    if (n == 0) return emptyList()
    val size = size
    if (n >= size) return toList()
    if (n == 1) return listOf(this[size - 1])
    val list = ArrayList<UInt>(n)

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for (index in size - n until size)\n    list.add(this[index])\n    return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.takeLast(n: Int): List<ULong>
{\n    require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    val
size = size\n    if (n >= size) return toList()\n    if (n == 1) return listOf(this[size - 1])\n    val list =
ArrayList<ULong>(n)\n    for (index in size - n until size)\n        list.add(this[index])\n    return list\n}\n\n/**\n *
Returns a list containing last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n *
@sample samples.collections.Collections.Transformations.take\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.takeLast(n: Int): List<UByte>
{\n    require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    val
size = size\n    if (n >= size) return toList()\n    if (n == 1) return listOf(this[size - 1])\n    val list =
ArrayList<UByte>(n)\n    for (index in size - n until size)\n        list.add(this[index])\n    return list\n}\n\n/**\n *
Returns a list containing last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n *
@sample samples.collections.Collections.Transformations.take\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.takeLast(n: Int): List<UShort>
{\n    require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    val
size = size\n    if (n >= size) return toList()\n    if (n == 1) return listOf(this[size - 1])\n    val list =
ArrayList<UShort>(n)\n    for (index in size - n until size)\n        list.add(this[index])\n    return list\n}\n\n/**\n *
Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.takeLastWhile(predicate: (UInt) -> Boolean): List<UInt> {\n    for (index in lastIndex downTo 0) {\n
if (!predicate(this[index]))\n        return drop(index + 1)\n    }\n    return toList()\n}\n\n/**\n * Returns a
list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.takeLastWhile(predicate: (ULong) -> Boolean): List<ULong> {\n    for (index in lastIndex downTo 0)
{\n    if (!predicate(this[index]))\n        return drop(index + 1)\n    }\n    return toList()\n}\n\n/**\n *
Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.takeLastWhile(predicate: (UByte) -> Boolean): List<UByte> {\n    for (index in lastIndex downTo 0)
{\n    if (!predicate(this[index]))\n        return drop(index + 1)\n    }\n    return toList()\n}\n\n/**\n *
Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.takeLastWhile(predicate: (UShort) -> Boolean): List<UShort> {\n    for (index in lastIndex downTo 0)
{\n    if (!predicate(this[index]))\n        return drop(index + 1)\n    }\n    return toList()\n}\n\n/**\n *
Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.takeWhile(predicate: (UInt) -> Boolean): List<UInt> {\n    val list = ArrayList<UInt>()\n    for (item in
this) {\n    if (!predicate(item))\n        break\n    list.add(item)\n    }\n    return list\n}\n\n/**\n * Returns a
list containing first elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.takeWhile(predicate: (ULong) -> Boolean): List<ULong> {\n    val list = ArrayList<ULong>()\n    for

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(item in this) {\n    if (!predicate(item))\n        break\n    list.add(item)\n }\n return list\n}\n\n/**\n * Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample\n samples.collections.Collections.Transformations.take\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n UByteArray.takeWhile(predicate: (UByte) -> Boolean): List<UByte> {\n    val list = ArrayList<UByte>()\n    for\n (item in this) {\n        if (!predicate(item))\n            break\n        list.add(item)\n    }\n    return list\n}\n\n/**\n * Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample\n samples.collections.Collections.Transformations.take\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n UShortArray.takeWhile(predicate: (UShort) -> Boolean): List<UShort> {\n    val list = ArrayList<UShort>()\n    for\n (item in this) {\n        if (!predicate(item))\n            break\n        list.add(item)\n    }\n    return list\n}\n\n/**\n * Reverses elements in the array in-place.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n UIntArray.reverse(): Unit {\n    storage.reverse()\n}\n\n/**\n * Reverses elements in the array in-place.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n ULongArray.reverse(): Unit {\n    storage.reverse()\n}\n\n/**\n * Reverses elements in the array in-place.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n UByteArray.reverse(): Unit {\n    storage.reverse()\n}\n\n/**\n * Reverses elements in the array in-place.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n UShortArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    storage.reverse(fromIndex,\n toIndex)\n}\n\n/**\n * Reverses elements of the array in the specified\n range in-place.\n * \n * @param fromIndex the start of the range (inclusive) to reverse.\n * @param toIndex the end\n of the range (exclusive) to reverse.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero\n or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater\n than [toIndex].\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic\n inline fun UIntArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    storage.reverse(fromIndex,\n toIndex)\n}\n\n/**\n * Reverses elements of the array in the specified range in-place.\n * \n * @param fromIndex\n the start of the range (inclusive) to reverse.\n * @param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this\n array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n ULongArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    storage.reverse(fromIndex, toIndex)\n}\n\n/**\n * Reverses elements of the array in the specified range in-place.\n * \n * @param fromIndex the start of the range\n (inclusive) to reverse.\n * @param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws\n IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n UByteArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    storage.reverse(fromIndex, toIndex)\n}\n\n/**\n * Reverses elements of the array in the specified range in-place.\n * \n * @param fromIndex the start of the range\n (inclusive) to reverse.\n * @param toIndex the end of the range (exclusive) to reverse.\n * \n * @throws\n IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n UShortArray.reverse(fromIndex: Int, toIndex: Int): Unit {\n    storage.reverse(fromIndex, toIndex)\n}\n\n/**\n * Returns a list with elements in reversed order.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic\n fun UIntArray.reversed(): List<UInt> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun\n ULongArray.reversed(): List<ULong> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns

```

```

a list with elements in reversed order.\n *
\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UByteArray.reversed(): List<UByte> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n
list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.reversed(): List<UShort> {\n
if (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns
an array with elements of this array in reversed order.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.reversedArray(): UIntArray {\n    return UIntArray(storage.reversedArray())\n}\n\n/**\n * Returns an
array with elements of this array in reversed order.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.reversedArray(): ULongArray {\n    return ULongArray(storage.reversedArray())\n}\n\n/**\n *
Returns an array with elements of this array in reversed order.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.reversedArray(): UByteArray {\n    return UByteArray(storage.reversedArray())\n}\n\n/**\n * Returns
an array with elements of this array in reversed order.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.reversedArray(): UShortArray {\n    return UShortArray(storage.reversedArray())\n}\n\n/**\n *
Randomly shuffles elements in this array in-place.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.shuffle(): Unit {\n
shuffle(Random)\n}\n\n/**\n * Randomly shuffles elements in this array in-place.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.shuffle(): Unit {\n
shuffle(Random)\n}\n\n/**\n * Randomly shuffles elements in this array in-place.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.shuffle(): Unit {\n
shuffle(Random)\n}\n\n/**\n * Randomly shuffles elements in this array in-place.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.shuffle(): Unit {\n
shuffle(Random)\n}\n\n/**\n * Randomly shuffles elements in this array in-place using the specified [random]
instance as the source of randomness.\n * \n * See:
https://en.wikipedia.org/wiki/Fisher%20%80%93Yates\_shuffle#The\_modern\_algorithm\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.shuffle(random: Random): Unit
{\n    for (i in lastIndex downTo 1) {\n        val j = random.nextInt(i + 1)\n        val copy = this[i]\n        this[i] =
this[j]\n        this[j] = copy\n    }\n}\n\n/**\n * Randomly shuffles elements in this array in-place using the specified
[random] instance as the source of randomness.\n * \n * See:
https://en.wikipedia.org/wiki/Fisher%20%80%93Yates\_shuffle#The\_modern\_algorithm\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.shuffle(random: Random):
Unit {\n    for (i in lastIndex downTo 1) {\n        val j = random.nextInt(i + 1)\n        val copy = this[i]\n        this[i] =
this[j]\n        this[j] = copy\n    }\n}\n\n/**\n * Randomly shuffles elements in this array in-place using the specified
[random] instance as the source of randomness.\n * \n * See:
https://en.wikipedia.org/wiki/Fisher%20%80%93Yates\_shuffle#The\_modern\_algorithm\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.shuffle(random: Random):
Unit {\n    for (i in lastIndex downTo 1) {\n        val j = random.nextInt(i + 1)\n        val copy = this[i]\n        this[i] =
this[j]\n        this[j] = copy\n    }\n}\n\n/**\n * Randomly shuffles elements in this array in-place using the specified
[random] instance as the source of randomness.\n * \n * See:
https://en.wikipedia.org/wiki/Fisher%20%80%93Yates\_shuffle#The\_modern\_algorithm\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.shuffle(random: Random):
Unit {\n    for (i in lastIndex downTo 1) {\n        val j = random.nextInt(i + 1)\n        val copy = this[i]\n        this[i] =
this[j]\n        this[j] = copy\n    }\n}\n\n/**\n * Sorts elements in the array in-place descending according to their
natural sort order.\n *
\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UIntArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts elements

```

in the array in-place descending according to their natural sort order.\n

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts elements in the array in-place descending according to their natural sort order.\n */\n*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts elements in the array in-place descending according to their natural sort order.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\n*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sorted(): List<UInt> {\n    return copyOf().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\n*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sorted(): List<ULong> {\n    return copyOf().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.sorted(): List<UByte> {\n    return copyOf().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\n*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sorted(): List<UShort> {\n    return copyOf().apply { sort() }.asList()\n}\n\n/**\n * Returns an array with all elements of this array sorted according to their natural sort order.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sortedArray(): UIntArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of this array sorted according to their natural sort order.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sortedArray(): ULongArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of this array sorted according to their natural sort order.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.sortedArray(): UByteArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of this array sorted according to their natural sort order.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sortedArray(): UShortArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to their natural sort order.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sortedArrayDescending(): UIntArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to their natural sort order.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sortedArrayDescending(): ULongArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to their natural sort order.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.sortedArrayDescending(): UByteArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to their natural sort order.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sortedArrayDescending(): UShortArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns a list of all elements sorted descending according to their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sortedDescending(): List<UInt> {\n    return copyOf().apply { sort() }.reversed()\n}\n\n/**\n * Returns a list of all elements sorted descending according to their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sortedDescending(): List<ULong> {\n    return copyOf().apply { sort() }.reversed()\n}\n\n/**\n * Returns a list of all elements sorted descending according to their natural sort order.\n */
```

Returns a list of all elements sorted descending according to their natural sort order.  
 \* The sort is `_stable_`. It means that equal elements preserve their order relative to each other after sorting.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes
public fun UByteArray.sortedDescending():
List<UByte> {
    return copyOf().apply { sort() }.reversed()
}

```

\* Returns a list of all elements sorted descending according to their natural sort order.  
 \* The sort is `_stable_`. It means that equal elements preserve their order relative to each other after sorting.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes
public fun UShortArray.sortedDescending(): List<UShort> {
    return copyOf().apply { sort() }.reversed()
}

```

\* Returns an array of type `[ByteArray]`, which is a view of this array where each element is a signed reinterpretation  
 \* of the corresponding element of this array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes @kotlin.internal.InlineOnly
public inline fun
UByteArray.asByteArray(): ByteArray {
    return storage
}

```

\* Returns an array of type `[IntArray]`, which is a view of this array where each element is a signed reinterpretation  
 \* of the corresponding element of this array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes @kotlin.internal.InlineOnly
public inline fun
UIntArray.asIntArray(): IntArray {
    return storage
}

```

\* Returns a `[List]` that wraps the original array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes
public expect fun UIntArray.asList():
List<UInt>

```

\* Returns a `[List]` that wraps the original array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes
public expect fun ULongArray.asList():
List<ULong>

```

\* Returns a `[List]` that wraps the original array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes
public expect fun UByteArray.asList():
List<UByte>

```

\* Returns a `[List]` that wraps the original array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes
public expect fun UShortArray.asList():
List<UShort>

```

\* Returns an array of type `[LongArray]`, which is a view of this array where each element is a signed reinterpretation  
 \* of the corresponding element of this array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes @kotlin.internal.InlineOnly
public inline fun
ULongArray.asLongArray(): LongArray {
    return storage
}

```

\* Returns an array of type `[ShortArray]`, which is a view of this array where each element is a signed reinterpretation  
 \* of the corresponding element of this array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes @kotlin.internal.InlineOnly
public inline fun
UShortArray.asShortArray(): ShortArray {
    return storage
}

```

\* Returns an array of type `[UByteArray]`, which is a view of this array where each element is an unsigned reinterpretation  
 \* of the corresponding element of this array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes @kotlin.internal.InlineOnly
public inline fun
ByteArray.asUByteArray(): UByteArray {
    return UByteArray(this)
}

```

\* Returns an array of type `[UIIntArray]`, which is a view of this array where each element is an unsigned reinterpretation  
 \* of the corresponding element of this array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes @kotlin.internal.InlineOnly
public inline fun
IntArray.asUIIntArray(): UIIntArray {
    return UIIntArray(this)
}

```

\* Returns an array of type `[ULongArray]`, which is a view of this array where each element is an unsigned reinterpretation  
 \* of the corresponding element of this array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes @kotlin.internal.InlineOnly
public inline fun
LongArray.asULongArray(): ULongArray {
    return ULongArray(this)
}

```

\* Returns an array of type `[UShortArray]`, which is a view of this array where each element is an unsigned reinterpretation  
 \* of the corresponding element of this array.

```

* Since Kotlin("1.3") ExperimentalUnsignedTypes @kotlin.internal.InlineOnly
public inline fun
ShortArray.asUShortArray(): UShortArray {
    return UShortArray(this)
}

```

\* Returns ``true`` if the two specified arrays are *structurally* equal to one another,  
 \* i.e. contain the same number of the same elements in the same order.

```

* @Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")
* Since Kotlin("1.3") @DeprecatedSinceKotlin(hiddenSince = "1.4")
ExperimentalUnsignedTypes
public infix fun UIntArray.contentEquals(other: UIntArray): Boolean {
    return this.contentEquals(other)
}

```

\* Returns ``true`` if the two specified arrays are *structurally* equal to

one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation\n warning.\n")\n@SinceKotlin(\n"1.3\n")\n@DeprecatedSinceKotlin(hiddenSince =\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic infix fun ULongArray.contentEquals(other: ULongArray): Boolean {\n return this.contentEquals(other)\n}\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation\n warning.\n")\n@SinceKotlin(\n"1.3\n")\n@DeprecatedSinceKotlin(hiddenSince =\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic infix fun UByteArray.contentEquals(other: UByteArray): Boolean {\n return this.contentEquals(other)\n}\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation\n warning.\n")\n@SinceKotlin(\n"1.3\n")\n@DeprecatedSinceKotlin(hiddenSince =\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic infix fun UShortArray.contentEquals(other: UShortArray): Boolean {\n return this.contentEquals(other)\n}\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n@SinceKotlin(\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic infix fun UIntArray?.contentEquals(other: UIntArray?): Boolean {\n return this?.storage.contentEquals(other?.storage)\n}\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n@SinceKotlin(\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic infix fun ULongArray?.contentEquals(other: ULongArray?): Boolean {\n return this?.storage.contentEquals(other?.storage)\n}\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n@SinceKotlin(\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic infix fun UByteArray?.contentEquals(other: UByteArray?): Boolean {\n return this?.storage.contentEquals(other?.storage)\n}\n\n/\*\*\n \* Returns `true` if the two specified arrays are \*structurally\* equal to one another,\n \* i.e. contain the same number of the same elements in the same order.\n \*/\n@SinceKotlin(\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic infix fun UShortArray?.contentEquals(other: UShortArray?): Boolean {\n return this?.storage.contentEquals(other?.storage)\n}\n\n/\*\*\n \* Returns a hash code based on the contents of this array as if it is [List].\n \*/\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation\n warning.\n")\n@SinceKotlin(\n"1.3\n")\n@DeprecatedSinceKotlin(hiddenSince =\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based on the contents of this array as if it is [List].\n \*/\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation\n warning.\n")\n@SinceKotlin(\n"1.3\n")\n@DeprecatedSinceKotlin(hiddenSince =\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based on the contents of this array as if it is [List].\n \*/\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation\n warning.\n")\n@SinceKotlin(\n"1.3\n")\n@DeprecatedSinceKotlin(hiddenSince =\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based on the contents of this array as if it is [List].\n \*/\n@Deprecated(\n"Use Kotlin compiler 1.4 to avoid deprecation\n warning.\n")\n@SinceKotlin(\n"1.3\n")\n@DeprecatedSinceKotlin(hiddenSince =\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.contentHashCode(): Int {\n return this.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based on the contents of this array as if it is [List].\n \*/\n@SinceKotlin(\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic fun UIntArray?.contentHashCode(): Int {\n return this?.storage.contentHashCode()\n}\n\n/\*\*\n \* Returns a hash code based on the contents of this array as if it is [List].\n \*/\n@SinceKotlin(\n"1.4\n")\n@ExperimentalUnsignedTypes\npublic fun

```

ULongArray?.contentHashCode(): Int {\n  return this?.storage.contentHashCode()\n}\n\n/**\n * Returns a hash
code based on the contents of this array as if it is [List].\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UByteArray?.contentHashCode(): Int {\n
return this?.storage.contentHashCode()\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it
is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n *\n@Deprecated("Use Kotlin compiler 1.4 to
avoid deprecation warning.")\n@SinceKotlin("1.3")\n@DeprecatedSinceKotlin(hiddenSince =
"1.4")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.contentToString(): String {\n  return
this.contentToString()\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is
[List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n *\n@Deprecated("Use
Kotlin compiler 1.4 to avoid deprecation
warning.")\n@SinceKotlin("1.3")\n@DeprecatedSinceKotlin(hiddenSince =
"1.4")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.contentToString(): String {\n  return
this.contentToString()\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is
[List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n *\n@Deprecated("Use
Kotlin compiler 1.4 to avoid deprecation
warning.")\n@SinceKotlin("1.3")\n@DeprecatedSinceKotlin(hiddenSince =
"1.4")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.contentToString(): String {\n  return
this.contentToString()\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is
[List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n *\n@Deprecated("Use
Kotlin compiler 1.4 to avoid deprecation
warning.")\n@SinceKotlin("1.3")\n@DeprecatedSinceKotlin(hiddenSince =
"1.4")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.contentToString(): String {\n  return
this.contentToString()\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is
[List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UIntArray?.contentToString(): String {\n
return this?.joinToString(", ", "[", "]") ?: "null"\n}\n\n/**\n * Returns a string representation of the contents of
the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun ULongArray?.contentToString(): String {\n
return this?.joinToString(", ", "[", "]") ?: "null"\n}\n\n/**\n * Returns a string representation of the contents of
the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UByteArray?.contentToString(): String {\n
return this?.joinToString(", ", "[", "]") ?: "null"\n}\n\n/**\n * Returns a string representation of the contents of
the specified array as if it is [List].\n * \n * @sample
samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UShortArray?.contentToString(): String {\n
return this?.joinToString(", ", "[", "]") ?: "null"\n}\n\n/**\n * Copies this array or its subrange into the
[destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even
specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy
to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param
startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive)
of the subrange to copy, size of this array by default.\n * @throws IndexOutOfBoundsException or
[IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex
> endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array

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starting at the specified [destinationOffset],\n \* or when that index is out of the [destination] array indices range.\n \*  
 \n \* @return the [destination] array.\n

```

*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.copyInto(destination: UIntArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size):
UIntArray {\n    storage.copyInto(destination.storage, destinationOffset, startIndex, endIndex)\n    return
destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n *
It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the
destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the
[destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy,
0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n *
@throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of
range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the
subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is
out of the [destination] array indices range.\n * \n * @return the [destination] array.\n
```

```

*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.copyInto(destination: ULongArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size):
ULongArray {\n    storage.copyInto(destination.storage, destinationOffset, startIndex, endIndex)\n    return
destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n *
It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the
destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the
[destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy,
0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n *
@throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of
range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the
subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is
out of the [destination] array indices range.\n * \n * @return the [destination] array.\n
```

```

*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.copyInto(destination: UByteArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size):
UByteArray {\n    storage.copyInto(destination.storage, destinationOffset, startIndex, endIndex)\n    return
destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n *
It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the
destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the
[destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy,
0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n *
@throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of
range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the
subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is
out of the [destination] array indices range.\n * \n * @return the [destination] array.\n
```

```

*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.copyInto(destination: UShortArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int =
size): UShortArray {\n    storage.copyInto(destination.storage, destinationOffset, startIndex, endIndex)\n    return
destination\n}\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample
samples.collections.Arrays.CopyOfOperations.copyOfOf\n
```

```

*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.copyOf(): UIntArray {\n    return UIntArray(storage.copyOf())\n}\n\n/**\n * Returns new array which is
a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n
```

```

*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.copyOf(): ULongArray {\n    return ULongArray(storage.copyOf())\n}\n\n/**\n * Returns new array

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which is a copy of the original array.

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.copyOf(): UByteArray {\n    return UByteArray(storage.copyOf())\n}\n\n/**\n * Returns new array
which is a copy of the original array.
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.copyOf(): UShortArray {\n    return UShortArray(storage.copyOf())\n}\n\n/**\n * Returns new array
which is a copy of the original array, resized to the given [newSize].
*\n * The copy is either truncated or padded at
the end with zero values if necessary.
*\n * - If [newSize] is less than the size of the original array, the copy array
is truncated to the [newSize].
*\n * - If [newSize] is greater than the size of the original array, the extra elements in the
copy array are filled with zero values.
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.copyOf(newSize: Int): UIntArray {\n    return UIntArray(storage.copyOf(newSize))\n}\n\n/**\n *
Returns new array which is a copy of the original array, resized to the given [newSize].
*\n * The copy is either
truncated or padded at the end with zero values if necessary.
*\n * - If [newSize] is less than the size of the
original array, the copy array is truncated to the [newSize].
*\n * - If [newSize] is greater than the size of the original
array, the extra elements in the copy array are filled with zero values.
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.copyOf(newSize: Int): ULongArray {\n    return ULongArray(storage.copyOf(newSize))\n}\n\n/**\n *
Returns new array which is a copy of the original array, resized to the given [newSize].
*\n * The copy is either
truncated or padded at the end with zero values if necessary.
*\n * - If [newSize] is less than the size of the
original array, the copy array is truncated to the [newSize].
*\n * - If [newSize] is greater than the size of the original
array, the extra elements in the copy array are filled with zero values.
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.copyOf(newSize: Int): UByteArray {\n    return UByteArray(storage.copyOf(newSize))\n}\n\n/**\n *
Returns new array which is a copy of the original array, resized to the given [newSize].
*\n * The copy is either
truncated or padded at the end with zero values if necessary.
*\n * - If [newSize] is less than the size of the
original array, the copy array is truncated to the [newSize].
*\n * - If [newSize] is greater than the size of the original
array, the extra elements in the copy array are filled with zero values.
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.copyOf(newSize: Int): UShortArray {\n    return UShortArray(storage.copyOf(newSize))\n}\n\n/**\n *
Returns a new array which is a copy of the specified range of the original array.
*\n * @param fromIndex the start
of the range (inclusive) to copy.
*\n * @param toIndex the end of the range (exclusive) to copy.
*\n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.
*\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.copyOfRange(fromIndex: Int, toIndex: Int): UIntArray {\n    return
UIntArray(storage.copyOfRange(fromIndex, toIndex))\n}\n\n/**\n * Returns a new array which is a copy of the
specified range of the original array.
*\n * @param fromIndex the start of the range (inclusive) to copy.
*\n * @param toIndex the end of the range (exclusive) to copy.
*\n * @throws
IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.
*\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.copyOfRange(fromIndex: Int, toIndex: Int): ULongArray {\n    return
ULongArray(storage.copyOfRange(fromIndex, toIndex))\n}\n\n/**\n * Returns a new array which is a copy of the
specified range of the original array.
*\n * @param fromIndex the start of the range (inclusive) to copy.
*\n * @param toIndex the end of the range (exclusive) to copy.
*\n * @throws
IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.
*\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.copyOfRange(fromIndex: Int, toIndex: Int): UByteArray {\n    return
UByteArray(storage.copyOfRange(fromIndex, toIndex))\n}\n\n/**\n * Returns a new array which is a copy of the
specified range of the original array.\n * \n * @param fromIndex the start of the range (inclusive) to copy.\n *
@param toIndex the end of the range (exclusive) to copy.\n * \n * @throws IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentOutOfRangeException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.copyOfRange(fromIndex: Int, toIndex: Int): UShortArray {\n    return
UShortArray(storage.copyOfRange(fromIndex, toIndex))\n}\n\n/**\n * Fills this array or its subrange with the
specified [element] value.\n * \n * @param fromIndex the start of the range (inclusive) to fill, 0 by default.\n *
@param toIndex the end of the range (exclusive) to fill, size of this array by default.\n * \n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
@throws IllegalArgumentOutOfRangeException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.fill(element: UInt, fromIndex:
Int = 0, toIndex: Int = size): Unit {\n    storage.fill(element.toInt(), fromIndex, toIndex)\n}\n\n/**\n * Fills this array
or its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range (inclusive) to
fill, 0 by default.\n * @param toIndex the end of the range (exclusive) to fill, size of this array by default.\n *
\n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this
array.\n * @throws IllegalArgumentOutOfRangeException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.fill(element: ULong,
fromIndex: Int = 0, toIndex: Int = size): Unit {\n    storage.fill(element.toLong(), fromIndex, toIndex)\n}\n\n/**\n *
Fills this array or its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range
(inclusive) to fill, 0 by default.\n * @param toIndex the end of the range (exclusive) to fill, size of this array by
default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than
the size of this array.\n * @throws IllegalArgumentOutOfRangeException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.fill(element: UByte,
fromIndex: Int = 0, toIndex: Int = size): Unit {\n    storage.fill(element.toByte(), fromIndex, toIndex)\n}\n\n/**\n *
Fills this array or its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range
(inclusive) to fill, 0 by default.\n * @param toIndex the end of the range (exclusive) to fill, size of this array by
default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than
the size of this array.\n * @throws IllegalArgumentOutOfRangeException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.fill(element: UShort,
fromIndex: Int = 0, toIndex: Int = size): Unit {\n    storage.fill(element.toShort(), fromIndex, toIndex)\n}\n\n/**\n *
Returns the range of valid indices for the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic inline val UIntArray.indices: IntRange\n    get()
= storage.indices\n\n/**\n * Returns the range of valid indices for the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic inline val ULongArray.indices: IntRange\n
    get() = storage.indices\n\n/**\n * Returns the range of valid indices for the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic inline val UByteArray.indices: IntRange\n
    get() = storage.indices\n\n/**\n * Returns the range of valid indices for the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic inline val UShortArray.indices: IntRange\n
    get() = storage.indices\n\n/**\n * Returns the last valid index for the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic inline val UIntArray.lastIndex: Int\n    get() =
storage.lastIndex\n\n/**\n * Returns the last valid index for the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic inline val ULongArray.lastIndex: Int\n    get() =
storage.lastIndex\n\n/**\n * Returns the last valid index for the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic inline val UByteArray.lastIndex: Int\n    get() =

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storage.lastIndex\n\n/**\n * Returns the last valid index for the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic inline val UShortArray.lastIndex: Int\n get() =
storage.lastIndex\n\n/**\n * Returns an array containing all elements of the original array and then the given
[element].\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
operator fun UIntArray.plus(element: UInt): UIntArray {\n return UIntArray(storage +
element.toInt())\n}\n\n/**\n * Returns an array containing all elements of the original array and then the given
[element].\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
operator fun ULongArray.plus(element: ULong): ULongArray {\n return ULongArray(storage +
element.toLong())\n}\n\n/**\n * Returns an array containing all elements of the original array and then the given
[element].\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
operator fun UByteArray.plus(element: UByte): UByteArray {\n return UByteArray(storage +
element.toByte())\n}\n\n/**\n * Returns an array containing all elements of the original array and then the given
[element].\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
operator fun UShortArray.plus(element: UShort): UShortArray {\n return UShortArray(storage +
element.toShort())\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements
of the given [elements] collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic operator
fun UIntArray.plus(elements: Collection<UInt>): UIntArray {\n var index = size\n val result =
storage.copyOf(size + elements.size)\n for (element in elements) result[index++] = element.toInt()\n return
UIntArray(result)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements
of the given [elements] collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic operator
fun ULongArray.plus(elements: Collection<ULong>): ULongArray {\n var index = size\n val result =
storage.copyOf(size + elements.size)\n for (element in elements) result[index++] = element.toLong()\n return
ULongArray(result)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all
elements of the given [elements] collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic
operator fun UByteArray.plus(elements: Collection<UByte>): UByteArray {\n var index = size\n val result =
storage.copyOf(size + elements.size)\n for (element in elements) result[index++] = element.toByte()\n return
UByteArray(result)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements
of the given [elements] collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic operator
fun UShortArray.plus(elements: Collection<UShort>): UShortArray {\n var index = size\n val result =
storage.copyOf(size + elements.size)\n for (element in elements) result[index++] = element.toShort()\n return
UShortArray(result)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all
elements of the given [elements] array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun
UIntArray.plus(elements: UIntArray): UIntArray {\n return UIntArray(storage + elements.storage)\n}\n\n/**\n *
Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun
ULongArray.plus(elements: ULongArray): ULongArray {\n return ULongArray(storage +
elements.storage)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements
of the given [elements] array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun
UByteArray.plus(elements: UByteArray): UByteArray {\n return UByteArray(storage +
elements.storage)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements
of the given [elements] array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun
UShortArray.plus(elements: UShortArray): UShortArray {\n return UShortArray(storage +
elements.storage)\n}\n\n/**\n * Sorts the array in-place.\n * \n * @sample
samples.collections.Arrays.Sorting.sortArray\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic
fun UIntArray.sort(): Unit {\n if (size > 1) sortArray(this, 0, size)\n}\n\n/**\n * Sorts the array in-place.\n * \n *

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@sample samples.collections.Arrays.Sorting.sortArray\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sort(): Unit {\n    if (size > 1)
sortArray(this, 0, size)\n}\n\n/**\n * Sorts the array in-place.\n * \n * @sample
samples.collections.Arrays.Sorting.sortArray\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic
fun UByteArray.sort(): Unit {\n    if (size > 1) sortArray(this, 0, size)\n}\n\n/**\n * Sorts the array in-place.\n * \n *
@sample samples.collections.Arrays.Sorting.sortArray\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sort(): Unit {\n    if (size > 1)
sortArray(this, 0, size)\n}\n\n/**\n * Sorts a range in the array in-place.\n * \n * @param fromIndex the start of the
range (inclusive) to sort, 0 by default.\n * @param toIndex the end of the range (exclusive) to sort, size of this array
by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater
than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n *
@sample samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sort(fromIndex: Int = 0, toIndex:
Int = size): Unit {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n    sortArray(this, fromIndex,
toIndex)\n}\n\n/**\n * Sorts a range in the array in-place.\n * \n * @param fromIndex the start of the range
(inclusive) to sort, 0 by default.\n * @param toIndex the end of the range (exclusive) to sort, size of this array by
default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than
the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n *
@sample samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sort(fromIndex: Int = 0,
toIndex: Int = size): Unit {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n    sortArray(this,
fromIndex, toIndex)\n}\n\n/**\n * Sorts a range in the array in-place.\n * \n * @param fromIndex the start of the
range (inclusive) to sort, 0 by default.\n * @param toIndex the end of the range (exclusive) to sort, size of this array
by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater
than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n *
@sample samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.sort(fromIndex: Int = 0,
toIndex: Int = size): Unit {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n    sortArray(this,
fromIndex, toIndex)\n}\n\n/**\n * Sorts a range in the array in-place.\n * \n * @param fromIndex the start of the
range (inclusive) to sort, 0 by default.\n * @param toIndex the end of the range (exclusive) to sort, size of this array
by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater
than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n * \n *
@sample samples.collections.Arrays.Sorting.sortRangeOfArray\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sort(fromIndex: Int = 0,
toIndex: Int = size): Unit {\n    AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n    sortArray(this,
fromIndex, toIndex)\n}\n\n/**\n * Sorts elements of the array in the specified range in-place.\n * The elements are
sorted descending according to their natural sort order.\n * \n * @param fromIndex the start of the range (inclusive)
to sort.\n * @param toIndex the end of the range (exclusive) to sort.\n * \n * @throws IndexOutOfBoundsException
if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sortDescending(fromIndex: Int,
toIndex: Int): Unit {\n    sort(fromIndex, toIndex)\n    reverse(fromIndex, toIndex)\n}\n\n/**\n * Sorts elements of
the array in the specified range in-place.\n * The elements are sorted descending according to their natural sort
order.\n * \n * @param fromIndex the start of the range (inclusive) to sort.\n * @param toIndex the end of the range
(exclusive) to sort.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is
greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sortDescending(fromIndex:
Int, toIndex: Int): Unit {\n    sort(fromIndex, toIndex)\n    reverse(fromIndex, toIndex)\n}\n\n/**\n * Sorts elements

```

of the array in the specified range in-place.\n \* The elements are sorted descending according to their natural sort order.\n \* \n \* @param fromIndex the start of the range (inclusive) to sort.\n \* @param toIndex the end of the range (exclusive) to sort.\n \* \n \* @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n \* @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.sortDescending(fromIndex: Int, toIndex: Int): Unit {\n    sort(fromIndex, toIndex)\n    reverse(fromIndex, toIndex)\n}\n\n/**\n * Sorts elements of the array in the specified range in-place.\n * The elements are sorted descending according to their natural sort order.\n * \n * @param fromIndex the start of the range (inclusive) to sort.\n * @param toIndex the end of the range (exclusive) to sort.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n
```

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sortDescending(fromIndex: Int, toIndex: Int): Unit {\n    sort(fromIndex, toIndex)\n    reverse(fromIndex, toIndex)\n}\n\n/**\n * Returns an array of type [ByteArray], which is a copy of this array where each element is a signed reinterpretation\n * of the corresponding element of this array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UByteArray.toByteArray(): ByteArray {\n    return storage.copyOf()\n}\n\n/**\n * Returns an array of type [IntArray], which is a copy of this array where each element is a signed reinterpretation\n * of the corresponding element of this array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UIntArray.toIntArray(): IntArray {\n    return storage.copyOf()\n}\n\n/**\n * Returns an array of type [LongArray], which is a copy of this array where each element is a signed reinterpretation\n * of the corresponding element of this array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun ULongArray.toLongArray(): LongArray {\n    return storage.copyOf()\n}\n\n/**\n * Returns an array of type [ShortArray], which is a copy of this array where each element is a signed reinterpretation\n * of the corresponding element of this array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UShortArray.toShortArray(): ShortArray {\n    return storage.copyOf()\n}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.toTypedArray(): Array<UInt> {\n    return Array(size) { index -> this[index] }\n}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.toTypedArray(): Array<ULong> {\n    return Array(size) { index -> this[index] }\n}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.toTypedArray(): Array<UByte> {\n    return Array(size) { index -> this[index] }\n}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.toTypedArray(): Array<UShort> {\n    return Array(size) { index -> this[index] }\n}\n\n/**\n * Returns an array of UByte containing all of the elements of this generic array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun Array<out UByte>.toUByteArray(): UByteArray {\n    return UByteArray(size) { index -> this[index] }\n}\n\n/**\n * Returns an array of type [UByteArray], which is a copy of this array where each element is an unsigned reinterpretation\n * of the corresponding element of this array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.toUByteArray(): UByteArray {\n    return UByteArray(this.copyOf())\n}\n\n/**\n * Returns an array of UInt containing all of the elements of this generic array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun Array<out UInt>.toUIntArray(): UIntArray {\n    return UIntArray(size) { index -> this[index] }\n}\n\n/**\n * Returns an array of type [UIntArray], which is a copy of this array where each element is an unsigned reinterpretation\n * of the corresponding element of this
```

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array.\n *^@\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
IntArray.toArray(): UIntArray {\n    return UIntArray(this.copyOf())\n}\n\n/**\n * Returns an array of ULong
containing all of the elements of this generic array.\n
*^@\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun Array<out ULong>.toULongArray():
ULongArray {\n    return ULongArray(size) { index -> this[index] }\n}\n\n/**\n * Returns an array of type
[ULongArray], which is a copy of this array where each element is an unsigned reinterpretation\n * of the
corresponding element of this array.\n
*^@\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
LongArray.toULongArray(): ULongArray {\n    return ULongArray(this.copyOf())\n}\n\n/**\n * Returns an array
of UShort containing all of the elements of this generic array.\n
*^@\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun Array<out UShort>.toUShortArray():
UShortArray {\n    return UShortArray(size) { index -> this[index] }\n}\n\n/**\n * Returns an array of type
[UShortArray], which is a copy of this array where each element is an unsigned reinterpretation\n * of the
corresponding element of this array.\n
*^@\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ShortArray.toUShortArray(): UShortArray {\n    return UShortArray(this.copyOf())\n}\n\n/**\n * Returns a [Map]
where keys are elements from the given array and values are\n * produced by the [valueSelector] function applied to
each element.\n * \n * If any two elements are equal, the last one gets added to the map.\n * \n * The returned map
preserves the entry iteration order of the original array.\n * \n * @sample
samples.collections.Collections.Transformations.associateWith\n
*^@\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V>
UIntArray.associateWith(valueSelector: (UInt) -> V): Map<UInt, V> {\n    val result = LinkedHashMap<UInt,
V>(mapCapacity(size).coerceAtLeast(16))\n    return associateWithTo(result, valueSelector)\n}\n\n/**\n * Returns a
[Map] where keys are elements from the given array and values are\n * produced by the [valueSelector] function
applied to each element.\n * \n * If any two elements are equal, the last one gets added to the map.\n * \n * The
returned map preserves the entry iteration order of the original array.\n * \n * @sample
samples.collections.Collections.Transformations.associateWith\n
*^@\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V>
ULongArray.associateWith(valueSelector: (ULong) -> V): Map<ULong, V> {\n    val result =
LinkedHashMap<ULong, V>(mapCapacity(size).coerceAtLeast(16))\n    return associateWithTo(result,
valueSelector)\n}\n\n/**\n * Returns a [Map] where keys are elements from the given array and values are\n *
produced by the [valueSelector] function applied to each element.\n * \n * If any two elements are equal, the last one
gets added to the map.\n * \n * The returned map preserves the entry iteration order of the original array.\n * \n *
@sample samples.collections.Collections.Transformations.associateWith\n
*^@\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V>
UByteArray.associateWith(valueSelector: (UByte) -> V): Map<UByte, V> {\n    val result =
LinkedHashMap<UByte, V>(mapCapacity(size).coerceAtLeast(16))\n    return associateWithTo(result,
valueSelector)\n}\n\n/**\n * Returns a [Map] where keys are elements from the given array and values are\n *
produced by the [valueSelector] function applied to each element.\n * \n * If any two elements are equal, the last one
gets added to the map.\n * \n * The returned map preserves the entry iteration order of the original array.\n * \n *
@sample samples.collections.Collections.Transformations.associateWith\n
*^@\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V>
UShortArray.associateWith(valueSelector: (UShort) -> V): Map<UShort, V> {\n    val result =
LinkedHashMap<UShort, V>(mapCapacity(size).coerceAtLeast(16))\n    return associateWithTo(result,
valueSelector)\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs for each
element of the given array,\n * where key is the element itself and value is provided by the [valueSelector] function
applied to that key.\n * \n * If any two elements are equal, the last one overwrites the former value in the map.\n * \n
* @sample samples.collections.Collections.Transformations.associateWithTo\n

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*\/n@SinceKotlin("1.4")n@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun <V, M :
MutableMap<in UInt, in V>> UIntArray.associateWithTo(destination: M, valueSelector: (UInt) -> V): M {n for
(element in this) {n destination.put(element, valueSelector(element))n }n return destinationn}n/n/**n *
Populates and returns the [destination] mutable map with key-value pairs for each element of the given array,n *
where key is the element itself and value is provided by the [valueSelector] function applied to that key.n * n * If
any two elements are equal, the last one overwrites the former value in the map.n * n * @sample
samples.collections.Collections.Transformations.associateWithTo\n
*\/n@SinceKotlin("1.4")n@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun <V, M :
MutableMap<in ULong, in V>> ULongArray.associateWithTo(destination: M, valueSelector: (ULong) -> V): M
{n for (element in this) {n destination.put(element, valueSelector(element))n }n return
destinationn}n/n/**n * Populates and returns the [destination] mutable map with key-value pairs for each element
of the given array,n * where key is the element itself and value is provided by the [valueSelector] function applied
to that key.n * n * If any two elements are equal, the last one overwrites the former value in the map.n * n *
@sample samples.collections.Collections.Transformations.associateWithTo\n
*\/n@SinceKotlin("1.4")n@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun <V, M :
MutableMap<in UByte, in V>> UByteArray.associateWithTo(destination: M, valueSelector: (UByte) -> V): M {n
for (element in this) {n destination.put(element, valueSelector(element))n }n return
destinationn}n/n/**n * Populates and returns the [destination] mutable map with key-value pairs for each element
of the given array,n * where key is the element itself and value is provided by the [valueSelector] function applied
to that key.n * n * If any two elements are equal, the last one overwrites the former value in the map.n * n *
@sample samples.collections.Collections.Transformations.associateWithTo\n
*\/n@SinceKotlin("1.4")n@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun <V, M :
MutableMap<in UShort, in V>> UShortArray.associateWithTo(destination: M, valueSelector: (UShort) -> V): M
{n for (element in this) {n destination.put(element, valueSelector(element))n }n return
destinationn}n/n/**n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element of original array.n * n * @sample
samples.collections.Collections.Transformations.flatMap\n
*\/n@SinceKotlin("1.3")n@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun <R>
UIntArray.flatMap(transform: (UInt) -> Iterable<R>): List<R> {n return flatMapTo(ArrayList<R>(),
transform)n}n/n/**n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element of original array.n * n * @sample
samples.collections.Collections.Transformations.flatMap\n
*\/n@SinceKotlin("1.3")n@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun <R>
ULongArray.flatMap(transform: (ULong) -> Iterable<R>): List<R> {n return flatMapTo(ArrayList<R>(),
transform)n}n/n/**n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element of original array.n * n * @sample
samples.collections.Collections.Transformations.flatMap\n
*\/n@SinceKotlin("1.3")n@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun <R>
UByteArray.flatMap(transform: (UByte) -> Iterable<R>): List<R> {n return flatMapTo(ArrayList<R>(),
transform)n}n/n/**n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element of original array.n * n * @sample
samples.collections.Collections.Transformations.flatMap\n
*\/n@SinceKotlin("1.3")n@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun <R>
UShortArray.flatMap(transform: (UShort) -> Iterable<R>): List<R> {n return flatMapTo(ArrayList<R>(),
transform)n}n/n/**n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each elementn * and its index in the original array.n * n * @sample
samples.collections.Collections.Transformations.flatMapIndexed\n
*\/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolution

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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UIntArray.flatMapIndexed(transform: (index: Int, UInt) -> Iterable<R>): List<R> {\n  return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from
results of [transform] function being invoked on each element\n * and its index in the original array.\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
ULongArray.flatMapIndexed(transform: (index: Int, ULong) -> Iterable<R>): List<R> {\n  return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from
results of [transform] function being invoked on each element\n * and its index in the original array.\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UByteArray.flatMapIndexed(transform: (index: Int, UByte) -> Iterable<R>): List<R> {\n  return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from
results of [transform] function being invoked on each element\n * and its index in the original array.\n * \n *
@sample samples.collections.Collections.Transformations.flatMapIndexed\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UShortArray.flatMapIndexed(transform: (index: Int, UShort) -> Iterable<R>): List<R> {\n  return
flatMapIndexedTo(ArrayList<R>(), transform)\n}\n\n/**\n * Appends all elements yielded from results of
[transform] function being invoked on each element\n * and its index in the original array, to the given
[destination].\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UIntArray.flatMapIndexedTo(destination: C, transform: (index: Int, UInt) ->
Iterable<R>): C {\n  var index = 0\n  for (element in this) {\n    val list = transform(index++, element)\n
destination.addAll(list)\n  }\n  return destination\n}\n\n/**\n * Appends all elements yielded from results of
[transform] function being invoked on each element\n * and its index in the original array, to the given
[destination].\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> ULongArray.flatMapIndexedTo(destination: C, transform: (index: Int, ULong) ->
Iterable<R>): C {\n  var index = 0\n  for (element in this) {\n    val list = transform(index++, element)\n
destination.addAll(list)\n  }\n  return destination\n}\n\n/**\n * Appends all elements yielded from results of
[transform] function being invoked on each element\n * and its index in the original array, to the given
[destination].\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UByteArray.flatMapIndexedTo(destination: C, transform: (index: Int, UByte) ->
Iterable<R>): C {\n  var index = 0\n  for (element in this) {\n    val list = transform(index++, element)\n
destination.addAll(list)\n  }\n  return destination\n}\n\n/**\n * Appends all elements yielded from results of
[transform] function being invoked on each element\n * and its index in the original array, to the given
[destination].\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UShortArray.flatMapIndexedTo(destination: C, transform: (index: Int, UShort) ->
Iterable<R>): C {\n  var index = 0\n  for (element in this) {\n    val list = transform(index++, element)\n

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destination.addAll(list)\n } \n return destination\n}\n\n/**\n * Appends all elements yielded from results of
[transform] function being invoked on each element of original array, to the given [destination].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UIntArray.flatMapTo(destination: C, transform: (UInt) -> Iterable<R>): C {\n for
(element in this) {\n val list = transform(element)\n destination.addAll(list)\n } \n return
destination\n}\n\n/**\n * Appends all elements yielded from results of [transform] function being invoked on each
element of original array, to the given [destination].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> ULongArray.flatMapTo(destination: C, transform: (ULong) -> Iterable<R>): C {\n for
(element in this) {\n val list = transform(element)\n destination.addAll(list)\n } \n return
destination\n}\n\n/**\n * Appends all elements yielded from results of [transform] function being invoked on each
element of original array, to the given [destination].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UByteArray.flatMapTo(destination: C, transform: (UByte) -> Iterable<R>): C {\n for
(element in this) {\n val list = transform(element)\n destination.addAll(list)\n } \n return
destination\n}\n\n/**\n * Appends all elements yielded from results of [transform] function being invoked on each
element of original array, to the given [destination].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UShortArray.flatMapTo(destination: C, transform: (UShort) -> Iterable<R>): C {\n for
(element in this) {\n val list = transform(element)\n destination.addAll(list)\n } \n return
destination\n}\n\n/**\n * Groups elements of the original array by the key returned by the given [keySelector]
function\n * applied to each element and returns a map where each group key is associated with a list of
corresponding elements.\n * \n * The returned map preserves the entry iteration order of the keys produced from the
original array.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K>
UIntArray.groupBy(keySelector: (UInt) -> K): Map<K, List<UInt>> {\n return groupByTo(LinkedHashMap<K,
MutableList<UInt>>(), keySelector)\n}\n\n/**\n * Groups elements of the original array by the key returned by the
given [keySelector] function\n * applied to each element and returns a map where each group key is associated with
a list of corresponding elements.\n * \n * The returned map preserves the entry iteration order of the keys produced
from the original array.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K>
ULongArray.groupBy(keySelector: (ULong) -> K): Map<K, List<ULong>> {\n return
groupByTo(LinkedHashMap<K, MutableList<ULong>>(), keySelector)\n}\n\n/**\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and returns a map
where each group key is associated with a list of corresponding elements.\n * \n * The returned map preserves the
entry iteration order of the keys produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K>
UByteArray.groupBy(keySelector: (UByte) -> K): Map<K, List<UByte>> {\n return
groupByTo(LinkedHashMap<K, MutableList<UByte>>(), keySelector)\n}\n\n/**\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and returns a map
where each group key is associated with a list of corresponding elements.\n * \n * The returned map preserves the
entry iteration order of the keys produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K>
UShortArray.groupBy(keySelector: (UShort) -> K): Map<K, List<UShort>> {\n return
groupByTo(LinkedHashMap<K, MutableList<UShort>>(), keySelector)\n}\n\n/**\n * Groups values returned by
the [valueTransform] function applied to each element of the original array\n * by the key returned by the given

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[keySelector] function applied to the element\n * and returns a map where each group key is associated with a list of
corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys produced from the
original array.\n * \n * @sample samples.collections.Collections.Transformations.groupByKeysAndValues\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, V>
UIntArray.groupBy(keySelector: (UInt) -> K, valueTransform: (UInt) -> V): Map<K, List<V>> {\n    return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/>\n * Groups values
returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by
the given [keySelector] function applied to the element\n * and returns a map where each group key is associated
with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys
produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeysAndValues\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, V>
ULongArray.groupBy(keySelector: (ULong) -> K, valueTransform: (ULong) -> V): Map<K, List<V>> {\n    return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/>\n * Groups values
returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by
the given [keySelector] function applied to the element\n * and returns a map where each group key is associated
with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys
produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeysAndValues\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, V>
UByteArray.groupBy(keySelector: (UByte) -> K, valueTransform: (UByte) -> V): Map<K, List<V>> {\n    return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/>\n * Groups values
returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by
the given [keySelector] function applied to the element\n * and returns a map where each group key is associated
with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys
produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeysAndValues\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, V>
UShortArray.groupBy(keySelector: (UShort) -> K, valueTransform: (UShort) -> V): Map<K, List<V>> {\n    return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/>\n * Groups elements
of the original array by the key returned by the given [keySelector] function\n * applied to each element and puts to
the [destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, M :
MutableMap<in K, MutableList<UInt>>> UIntArray.groupByTo(destination: M, keySelector: (UInt) -> K): M {\n
for (element in this) {\n    val key = keySelector(element)\n    val list = destination.getOrPut(key) {
ArrayList<UInt>() }\n    list.add(element)\n } }\n    return destination\n}\n\n/>\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and puts to the
[destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, M :
MutableMap<in K, MutableList<ULong>>> ULongArray.groupByTo(destination: M, keySelector: (ULong) -> K):
M {\n    for (element in this) {\n        val key = keySelector(element)\n        val list = destination.getOrPut(key) {
ArrayList<ULong>() }\n        list.add(element)\n    }\n    return destination\n}\n\n/>\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and puts to the
[destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, M :

```



```

*  

@SinceKotlin("1.3")  

@ExperimentalUnsignedTypes  

@kotlin.internal.InlineOnly  

public inline fun <R>  

ULongArray.map(transform: (ULong) -> R): List<R> {  

    return mapTo(ArrayList<R>(size),  

    transform)  

}  

  

Returns a list containing the results of applying the given [transform] function  

to each element in the original array.  

@sample samples.collections.Collections.Transformations.map  

*  

@SinceKotlin("1.3")  

@ExperimentalUnsignedTypes  

@kotlin.internal.InlineOnly  

public inline fun <R>  

UByteArray.map(transform: (UByte) -> R): List<R> {  

    return mapTo(ArrayList<R>(size),  

    transform)  

}  

  

Returns a list containing the results of applying the given [transform] function  

to each element in the original array.  

@sample samples.collections.Collections.Transformations.map  

*  

@SinceKotlin("1.3")  

@ExperimentalUnsignedTypes  

@kotlin.internal.InlineOnly  

public inline fun <R>  

UShortArray.map(transform: (UShort) -> R): List<R> {  

    return mapTo(ArrayList<R>(size),  

    transform)  

}  

  

Returns a list containing the results of applying the given [transform] function  

to each element and its index in the original array.  

@param [transform] function that takes the index of an element and  

the element itself  

and returns the result of the transform applied to the element.  

*  

@SinceKotlin("1.3")  

@ExperimentalUnsignedTypes  

@kotlin.internal.InlineOnly  

public inline fun <R>  

UIntArray.mapIndexed(transform: (index: Int, UInt) -> R): List<R> {  

    return  

    mapIndexedTo(ArrayList<R>(size), transform)  

}  

  

Returns a list containing the results of applying the  

given [transform] function  

to each element and its index in the original array.  

@param [transform] function  

that takes the index of an element and the element itself  

and returns the result of the transform applied to the  

element.  

*  

@SinceKotlin("1.3")  

@ExperimentalUnsignedTypes  

@kotlin.internal.InlineOnly  

public inline  

fun <R> ULongArray.mapIndexed(transform: (index: Int, ULong) -> R): List<R> {  

    return  

    mapIndexedTo(ArrayList<R>(size), transform)  

}  

  

Returns a list containing the results of applying the  

given [transform] function  

to each element and its index in the original array.  

@param [transform] function  

that takes the index of an element and the element itself  

and returns the result of the transform applied to the  

element.  

*  

@SinceKotlin("1.3")  

@ExperimentalUnsignedTypes  

@kotlin.internal.InlineOnly  

public inline  

fun <R> UByteArray.mapIndexed(transform: (index: Int, UByte) -> R): List<R> {  

    return  

    mapIndexedTo(ArrayList<R>(size), transform)  

}  

  

Returns a list containing the results of applying the  

given [transform] function  

to each element and its index in the original array.  

@param [transform] function  

that takes the index of an element and the element itself  

and returns the result of the transform applied to the  

element.  

*  

@SinceKotlin("1.3")  

@ExperimentalUnsignedTypes  

@kotlin.internal.InlineOnly  

public inline  

fun <R> UShortArray.mapIndexed(transform: (index: Int, UShort) -> R): List<R> {  

    return  

    mapIndexedTo(ArrayList<R>(size), transform)  

}  

  

Applies the given [transform] function to each  

element and its index in the original array  

and appends the results to the given [destination].  

@param  

[transform] function that takes the index of an element and the element itself  

and returns the result of the  

transform applied to the element.  

*  

@SinceKotlin("1.3")  

@ExperimentalUnsignedTypes  

@kotlin.internal.InlineOnly  

public inline fun <R, C :  

MutableCollection<in R>> UIntArray.mapIndexedTo(destination: C, transform: (index: Int, UInt) -> R): C {  

    var  

    index = 0  

    for (item in this)  

        destination.add(transform(index++, item))  

    return destination  

}  

  

Applies the given [transform] function to each element and its index in the original array  

and appends the results to the given [destination].  

@param [transform] function that takes the index of an element and the element  

itself  

and returns the result of the transform applied to the element.  

*  

@SinceKotlin("1.3")  

@ExperimentalUnsignedTypes  

@kotlin.internal.InlineOnly  

public inline fun <R, C :  

MutableCollection<in R>> ULongArray.mapIndexedTo(destination: C, transform: (index: Int, ULong) -> R): C {  

    var  

    index = 0  

    for (item in this)  

        destination.add(transform(index++, item))  

    return  

    destination  

}  

  

Applies the given [transform] function to each element and its index in the original array  

and appends the results to the given [destination].  

@param [transform] function that takes the index of an  

element and the element itself  

and returns the result of the transform applied to the element.  

*  

@SinceKotlin("1.3")  

@ExperimentalUnsignedTypes  

@kotlin.internal.InlineOnly  

public inline fun <R, C :  

MutableCollection<in R>> UByteArray.mapIndexedTo(destination: C, transform: (index: Int, UByte) -> R): C {  

    var  

    index = 0  

    for (item in this)  

        destination.add(transform(index++, item))  

    return  

    destination  

}  

  

Applies the given [transform] function to each element and its index in the original array  

and appends the results to the given [destination].  

@param [transform] function that takes the index of an  

element and the element itself  

and returns the result of the transform applied to the element.  


```

```

var index = 0\n for (item in this)\n destination.add(transform(index++, item))\n return
destination\n}\n\n/**\n * Applies the given [transform] function to each element and its index in the original array\n * and appends the results to the given [destination].\n * @param [transform] function that takes the index of an
element and the element itself\n * and returns the result of the transform applied to the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UShortArray.mapIndexedTo(destination: C, transform: (index: Int, UShort) -> R): C {\n
var index = 0\n for (item in this)\n destination.add(transform(index++, item))\n return
destination\n}\n\n/**\n * Applies the given [transform] function to each element of the original array\n * and
appends the results to the given [destination].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UIntArray.mapTo(destination: C, transform: (UInt) -> R): C {\n for (item in this)\n
destination.add(transform(item))\n return destination\n}\n\n/**\n * Applies the given [transform] function to each
element of the original array\n * and appends the results to the given [destination].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> ULongArray.mapTo(destination: C, transform: (ULong) -> R): C {\n for (item in
this)\n destination.add(transform(item))\n return destination\n}\n\n/**\n * Applies the given [transform]
function to each element of the original array\n * and appends the results to the given [destination].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UByteArray.mapTo(destination: C, transform: (UByte) -> R): C {\n for (item in this)\n
destination.add(transform(item))\n return destination\n}\n\n/**\n * Applies the given [transform] function to
each element of the original array\n * and appends the results to the given [destination].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UShortArray.mapTo(destination: C, transform: (UShort) -> R): C {\n for (item in
this)\n destination.add(transform(item))\n return destination\n}\n\n/**\n * Returns a lazy [Iterable] that wraps
each element of the original array\n * into an [IndexedValue] containing the index of that element and the element
itself.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.withIndex():
Iterable<IndexedValue<UInt>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable]
that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the
element itself.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.withIndex():
Iterable<IndexedValue<ULong>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable]
that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the
element itself.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.withIndex():
Iterable<IndexedValue<UByte>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable]
that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the
element itself.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.withIndex():
Iterable<IndexedValue<UShort>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns `true` if all
elements match the given [predicate].\n * \n * @sample samples.collections.Collections.Aggregates.all\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.all(predicate: (UInt) -> Boolean): Boolean {\n for (element in this) if (!predicate(element)) return
false\n return true\n}\n\n/**\n * Returns `true` if all elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.all\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.all(predicate: (ULong) -> Boolean): Boolean {\n for (element in this) if (!predicate(element)) return
false\n return true\n}\n\n/**\n * Returns `true` if all elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.all\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.all(predicate: (UByte) -> Boolean): Boolean {\n for (element in this) if (!predicate(element)) return
false\n return true\n}\n\n/**\n * Returns `true` if all elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.all\n

```

```

samples.collections.Collections.Aggregates.all\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.all(predicate: (UShort) -> Boolean): Boolean {\n  for (element in this) if (!predicate(element)) return
false\n  return true\n}\n\n/**\n * Returns `true` if array has at least one element.\n * \n * @sample
samples.collections.Collections.Aggregates.any\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.any(): Boolean {\n  return storage.any()\n}\n\n/**\n * Returns `true` if array has at least one element.\n
* \n * @sample samples.collections.Collections.Aggregates.any\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.any(): Boolean {\n  return storage.any()\n}\n\n/**\n * Returns `true` if array has at least one
element.\n * \n * @sample samples.collections.Collections.Aggregates.any\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.any(): Boolean {\n  return storage.any()\n}\n\n/**\n * Returns `true` if array has at least one
element.\n * \n * @sample samples.collections.Collections.Aggregates.any\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.any(): Boolean {\n  return storage.any()\n}\n\n/**\n * Returns `true` if at least one element matches
the given [predicate].\n * \n * @sample samples.collections.Collections.Aggregates.anyWithPredicate\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.any(predicate: (UInt) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return true\n
return false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.anyWithPredicate\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.any(predicate: (ULong) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return
true\n  return false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n *
@sample samples.collections.Collections.Aggregates.anyWithPredicate\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.any(predicate: (UByte) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return
true\n  return false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n *
@sample samples.collections.Collections.Aggregates.anyWithPredicate\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.any(predicate: (UShort) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return
true\n  return false\n}\n\n/**\n * Returns the number of elements matching the given [predicate].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.count(predicate: (UInt) -> Boolean): Int {\n  var count = 0\n  for (element in this) if
(predicate(element)) ++count\n  return count\n}\n\n/**\n * Returns the number of elements matching the given
[predicate].\n * \n * @sample\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic
inline fun ULongArray.count(predicate: (ULong) -> Boolean): Int {\n  var count = 0\n  for (element in this) if
(predicate(element)) ++count\n  return count\n}\n\n/**\n * Returns the number of elements matching the given
[predicate].\n * \n * @sample\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic
inline fun UByteArray.count(predicate: (UByte) -> Boolean): Int {\n  var count = 0\n  for (element in this) if
(predicate(element)) ++count\n  return count\n}\n\n/**\n * Returns the number of elements matching the given
[predicate].\n * \n * @sample\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic
inline fun UShortArray.count(predicate: (UShort) -> Boolean): Int {\n  var count = 0\n  for (element in this) if
(predicate(element)) ++count\n  return count\n}\n\n/**\n * Accumulates value starting with [initial] value and
applying [operation] from left to right\n * to current accumulator value and each element.\n * \n * Returns the
specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes current accumulator
value and an element, and calculates the next accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>

```

```

UIntArray.fold(initial: R, operation: (acc: R, UInt) -> R): R {
    var accumulator = initial
    for (element in this) accumulator = operation(accumulator, element)
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from left to right to current accumulator value and each element. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.

```

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <R>
ULongArray.fold(initial: R, operation: (acc: R, ULong) -> R): R {
    var accumulator = initial
    for (element in this) accumulator = operation(accumulator, element)
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from left to right to current accumulator value and each element. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.

```

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <R>
UByteArray.fold(initial: R, operation: (acc: R, UByte) -> R): R {
    var accumulator = initial
    for (element in this) accumulator = operation(accumulator, element)
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from left to right to current accumulator value and each element. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.

```

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <R>
UShortArray.fold(initial: R, operation: (acc: R, UShort) -> R): R {
    var accumulator = initial
    for (element in this) accumulator = operation(accumulator, element)
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from left to right to current accumulator value and each element with its index in the original array. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes the index of an element, current accumulator value and the element itself, and calculates the next accumulator value.

```

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <R>
UIntArray.foldIndexed(initial: R, operation: (index: Int, acc: R, UInt) -> R): R {
    var index = 0
    var accumulator = initial
    for (element in this) accumulator = operation(index++, accumulator, element)
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from left to right to current accumulator value and each element with its index in the original array. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes the index of an element, current accumulator value and the element itself, and calculates the next accumulator value.

```

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <R>
ULongArray.foldIndexed(initial: R, operation: (index: Int, acc: R, ULong) -> R): R {
    var index = 0
    var accumulator = initial
    for (element in this) accumulator = operation(index++, accumulator, element)
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from left to right to current accumulator value and each element with its index in the original array. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes the index of an element, current accumulator value and the element itself, and calculates the next accumulator value.

```

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <R>
UByteArray.foldIndexed(initial: R, operation: (index: Int, acc: R, UByte) -> R): R {
    var index = 0
    var accumulator = initial
    for (element in this) accumulator = operation(index++, accumulator, element)
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from left to right to current accumulator value and each element with its index in the original array. Returns the specified [initial] value if the array is empty.
 @param [operation] function that takes the index of an element, current accumulator value and the element itself, and calculates the next accumulator value.

```

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <R>
UShortArray.foldIndexed(initial: R, operation: (index: Int, acc: R, UShort) -> R): R {
    var index = 0
    var accumulator = initial
    for (element in this) accumulator = operation(index++, accumulator, element)
    return accumulator
}

```

accumulator\n}\n\n/\*\*\n \* Accumulates value starting with [initial] value and applying [operation] from right to left\n \* to each element and current accumulator value.\n \* \n \* Returns the specified [initial] value if the array is empty.\n \* \n \* @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.\n

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>\nUIntArray.foldRight(initial: R, operation: (UInt, acc: R) -> R): R {\n    var index = lastIndex\n    var accumulator = initial\n    while (index >= 0) {\n        accumulator = operation(get(index--), accumulator)\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element and current accumulator value.\n * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>\nULongArray.foldRight(initial: R, operation: (ULong, acc: R) -> R): R {\n    var index = lastIndex\n    var accumulator = initial\n    while (index >= 0) {\n        accumulator = operation(get(index--), accumulator)\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element and current accumulator value.\n * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>\nUByteArray.foldRight(initial: R, operation: (UByte, acc: R) -> R): R {\n    var index = lastIndex\n    var accumulator = initial\n    while (index >= 0) {\n        accumulator = operation(get(index--), accumulator)\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element and current accumulator value.\n * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>\nUShortArray.foldRight(initial: R, operation: (UShort, acc: R) -> R): R {\n    var index = lastIndex\n    var accumulator = initial\n    while (index >= 0) {\n        accumulator = operation(get(index--), accumulator)\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>\nUIntArray.foldRightIndexed(initial: R, operation: (index: Int, UInt, acc: R) -> R): R {\n    var index = lastIndex\n    var accumulator = initial\n    while (index >= 0) {\n        accumulator = operation(index, get(index), accumulator)\n        --index\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>\nULongArray.foldRightIndexed(initial: R, operation: (index: Int, ULong, acc: R) -> R): R {\n    var index = lastIndex\n    var accumulator = initial\n    while (index >= 0) {\n        accumulator = operation(index, get(index), accumulator)\n        --index\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n * \n * Returns the specified [initial] value if the array is empty.\n * \n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
```

```

ByteArray.foldRightIndexed(initial: R, operation: (index: Int, UByte, acc: R) -> R): R {
    var index = lastIndex
    var accumulator = initial
    while (index >= 0) {
        accumulator = operation(index, get(index), accumulator)
        --index
    }
    return accumulator
}

```

Accumulates value starting with [initial] value and applying [operation] from right to left to each element with its index in the original array and current accumulator value. Returns the specified [initial] value if the array is empty. @param [operation] function that takes the index of an element, the element itself and current accumulator value, and calculates the next accumulator value.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <R>
UShortArray.foldRightIndexed(initial: R, operation: (index: Int, UShort, acc: R) -> R): R {
    var index = lastIndex
    var accumulator = initial
    while (index >= 0) {
        accumulator = operation(index, get(index), accumulator)
        --index
    }
    return accumulator
}

```

Performs the given [action] on each element.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UIntArray.forEach(action: (UInt) -> Unit): Unit {
    for (element in this) action(element)
}

```

Performs the given [action] on each element.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
ULongArray.forEach(action: (ULong) -> Unit): Unit {
    for (element in this) action(element)
}

```

Performs the given [action] on each element.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UByteArray.forEach(action: (UByte) -> Unit): Unit {
    for (element in this) action(element)
}

```

Performs the given [action] on each element.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UShortArray.forEach(action: (UShort) -> Unit): Unit {
    for (element in this) action(element)
}

```

Performs the given [action] on each element, providing sequential index with the element. @param [action] function that takes the index of an element and the element itself and performs the action on the element.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UIntArray.forEachIndexed(action: (index: Int, UInt) -> Unit): Unit {
    var index = 0
    for (item in this)
        action(index++, item)
}

```

Performs the given [action] on each element, providing sequential index with the element. @param [action] function that takes the index of an element and the element itself and performs the action on the element.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
ULongArray.forEachIndexed(action: (index: Int, ULong) -> Unit): Unit {
    var index = 0
    for (item in this)
        action(index++, item)
}

```

Performs the given [action] on each element, providing sequential index with the element. @param [action] function that takes the index of an element and the element itself and performs the action on the element.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UByteArray.forEachIndexed(action: (index: Int, UByte) -> Unit): Unit {
    var index = 0
    for (item in this)
        action(index++, item)
}

```

Performs the given [action] on each element, providing sequential index with the element. @param [action] function that takes the index of an element and the element itself and performs the action on the element.

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UShortArray.forEachIndexed(action: (index: Int, UShort) -> Unit): Unit {
    var index = 0
    for (item in this)
        action(index++, item)
}

```

Use maxOrNull instead.

```

@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public fun UIntArray.max():
UInt? {
    return maxOrNull()
}

```

Use maxOrNull instead.

```

@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public fun ULongArray.max():
ULong? {
    return maxOrNull()
}

```

```

ReplaceWith("this.maxOrNull()")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.max():
UByte? {\n    return maxOrNull()\n}\n\n@Deprecated("Use maxOrNull instead."),
ReplaceWith("this.maxOrNull()")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.max():
UShort? {\n    return maxOrNull()\n}\n\n@Deprecated("Use maxByOrNull instead."),
ReplaceWith("this.maxByOrNull(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.5", hiddenSince =
"1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
<R : Comparable<R>> UIntArray.maxBy(selector: (UInt) -> R): UInt? {\n    return
maxByOrNull(selector)\n}\n\n@Deprecated("Use maxByOrNull instead."),
ReplaceWith("this.maxByOrNull(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.5", hiddenSince =
"1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
<R : Comparable<R>> ULongArray.maxBy(selector: (ULong) -> R): ULong? {\n    return
maxByOrNull(selector)\n}\n\n@Deprecated("Use maxByOrNull instead."),
ReplaceWith("this.maxByOrNull(selector)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince =
"1.5", hiddenSince =
"1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
<R : Comparable<R>> UByteArray.maxBy(selector: (UByte) -> R): UByte? {\n    return
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"1.5", hiddenSince =
"1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
<R : Comparable<R>> UShortArray.maxBy(selector: (UShort) -> R): UShort? {\n    return
maxByOrNull(selector)\n}\n\n/**\n * Returns the first element yielding the largest value of the given function or
`null` if there are no elements.\n * \n * @sample samples.collections.Collections.Aggregates.maxByOrNull\n
*/\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UIntArray.maxByOrNull(selector: (UInt) -> R): UInt? {\n    if (isEmpty()) return null\n    var
maxElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return maxElem\n    var maxVal =
selector(maxElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (maxVal < v)\n            {\n                maxElem = e\n                maxVal = v\n            }\n    }\n    return maxElem\n}\n\n/**\n * Returns the first
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n
*/\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> ULongArray.maxByOrNull(selector: (ULong) -> R): ULong? {\n    if (isEmpty()) return null\n
var maxElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return maxElem\n    var maxVal =
selector(maxElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (maxVal < v)\n            {\n                maxElem = e\n                maxVal = v\n            }\n    }\n    return maxElem\n}\n\n/**\n * Returns the first
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n
*/\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UByteArray.maxByOrNull(selector: (UByte) -> R): UByte? {\n    if (isEmpty()) return null\n
var maxElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return maxElem\n    var maxVal =
selector(maxElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (maxVal < v)\n            {\n                maxElem = e\n                maxVal = v\n            }\n    }\n    return maxElem\n}\n\n/**\n * Returns the first
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.maxByOrNull\n

```

```

*\/n@SinceKotlin("1.4")n@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun <R : Comparable<R>> UShortArray.maxByOrNull(selector: (UShort) -> R): UShort? {n if (isEmpty()) return nulln var maxElem = this[0]n val lastIndex = this.lastIndexn if (lastIndex == 0) return maxElemn var maxValue = selector(maxElem)n for (i in 1..lastIndex) {n val e = this[i]n val v = selector(e)n if (maxValue < v) {n maxElem = en maxValue = vn }n }n return maxElemn}n/n/**n * Returns the largest value among all values produced by [selector] functionn * applied to each element in the array.n * n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.n * n * @throws NoSuchElementException if the array is empty.n

```

```

*\/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolutionByLambdaReturnTypen@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun UIntArray.maxOf(selector: (UInt) -> Double): Double {n if (isEmpty()) throw NoSuchElementException()n var maxValue = selector(this[0])n for (i in 1..lastIndex) {n val v = selector(this[i])n maxValue = maxOf(maxValue, v)n }n return maxValue}n/n/**n * Returns the largest value among all values produced by [selector] functionn * applied to each element in the array.n * n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.n * n * @throws NoSuchElementException if the array is empty.n

```

```

*\/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolutionByLambdaReturnTypen@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun ULongArray.maxOf(selector: (ULong) -> Double): Double {n if (isEmpty()) throw NoSuchElementException()n var maxValue = selector(this[0])n for (i in 1..lastIndex) {n val v = selector(this[i])n maxValue = maxOf(maxValue, v)n }n return maxValue}n/n/**n * Returns the largest value among all values produced by [selector] functionn * applied to each element in the array.n * n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.n * n * @throws NoSuchElementException if the array is empty.n

```

```

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```

```

*\/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolutionByLambdaReturnTypen@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun UShortArray.maxOf(selector: (UShort) -> Double): Double {n if (isEmpty()) throw NoSuchElementException()n var maxValue = selector(this[0])n for (i in 1..lastIndex) {n val v = selector(this[i])n maxValue = maxOf(maxValue, v)n }n return maxValue}n/n/**n * Returns the largest value among all values produced by [selector] functionn * applied to each element in the array.n * n * If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.n * n * @throws NoSuchElementException if the array is empty.n

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```

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```

```

*\/n@SinceKotlin("1.4")n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)n@OverloadResolutionByLambdaReturnTypen@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun ULongArray.maxOf(selector: (ULong) -> Float): Float {n if (isEmpty()) throw NoSuchElementException()n var maxValue = selector(this[0])n for (i in 1..lastIndex) {n val v = selector(this[i])n maxValue =

```

```

maxOf(maxValue, v) } return maxValue}

 * Returns the largest value among all values produced
by [selector] function * applied to each element in the array.
 * If any of values produced by [selector]
function is `NaN`, the returned result is `NaN`.
 * @throws NoSuchElementException if the array is empty.
 * \n @SinceKotlin("1.4") \n @OptIn(kotlin.experimental.ExperimentalTypeInference::class) \n @OverloadResolution
ByLambdaReturnType \n @ExperimentalUnsignedTypes \n @kotlin.internal.InlineOnly \n public inline fun
ByteArray.maxOf(selector: (UByte) -> Float): Float { \n if (isEmpty()) throw NoSuchElementException() \n var
maxValue = selector(this[0]) \n for (i in 1..lastIndex) { \n val v = selector(this[i]) \n maxValue =
maxOf(maxValue, v) \n } \n return maxValue}

 * Returns the largest value among all values produced
by [selector] function * applied to each element in the array.
 * If any of values produced by [selector]
function is `NaN`, the returned result is `NaN`.
 * @throws NoSuchElementException if the array is empty.
 * \n @SinceKotlin("1.4") \n @OptIn(kotlin.experimental.ExperimentalTypeInference::class) \n @OverloadResolution
ByLambdaReturnType \n @ExperimentalUnsignedTypes \n @kotlin.internal.InlineOnly \n public inline fun
UShortArray.maxOf(selector: (UShort) -> Float): Float { \n if (isEmpty()) throw NoSuchElementException() \n
var maxValue = selector(this[0]) \n for (i in 1..lastIndex) { \n val v = selector(this[i]) \n maxValue =
maxOf(maxValue, v) \n } \n return maxValue}

 * Returns the largest value among all values produced
by [selector] function * applied to each element in the
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ByLambdaReturnType \n @ExperimentalUnsignedTypes \n @kotlin.internal.InlineOnly \n public inline fun <R :
Comparable<R>> UIntArray.maxOf(selector: (UInt) -> R): R { \n if (isEmpty()) throw
NoSuchElementException() \n var maxValue = selector(this[0]) \n for (i in 1..lastIndex) { \n val v =
selector(this[i]) \n if (maxValue < v) { \n maxValue = v \n } \n } \n return maxValue}

 * Returns the largest value among all values produced by [selector] function * applied to each element in the
array.
 * @throws NoSuchElementException if the array is empty.
 * \n @SinceKotlin("1.4") \n @OptIn(kotlin.experimental.ExperimentalTypeInference::class) \n @OverloadResolution
ByLambdaReturnType \n @ExperimentalUnsignedTypes \n @kotlin.internal.InlineOnly \n public inline fun <R :
Comparable<R>> ULongArray.maxOf(selector: (ULong) -> R): R { \n if (isEmpty()) throw
NoSuchElementException() \n var maxValue = selector(this[0]) \n for (i in 1..lastIndex) { \n val v =
selector(this[i]) \n if (maxValue < v) { \n maxValue = v \n } \n } \n return maxValue}

 * Returns the largest value among all values produced by [selector] function * applied to each element in the
array.
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 * \n @SinceKotlin("1.4") \n @OptIn(kotlin.experimental.ExperimentalTypeInference::class) \n @OverloadResolution
ByLambdaReturnType \n @ExperimentalUnsignedTypes \n @kotlin.internal.InlineOnly \n public inline fun <R :
Comparable<R>> UByteArray.maxOf(selector: (UByte) -> R): R { \n if (isEmpty()) throw
NoSuchElementException() \n var maxValue = selector(this[0]) \n for (i in 1..lastIndex) { \n val v =
selector(this[i]) \n if (maxValue < v) { \n maxValue = v \n } \n } \n return maxValue}

 * Returns the largest value among all values produced by [selector] function * applied to each element in the
array.
 * @throws NoSuchElementException if the array is empty.
 * \n @SinceKotlin("1.4") \n @OptIn(kotlin.experimental.ExperimentalTypeInference::class) \n @OverloadResolution
ByLambdaReturnType \n @ExperimentalUnsignedTypes \n @kotlin.internal.InlineOnly \n public inline fun <R :
Comparable<R>> UShortArray.maxOf(selector: (UShort) -> R): R { \n if (isEmpty()) throw
NoSuchElementException() \n var maxValue = selector(this[0]) \n for (i in 1..lastIndex) { \n val v =
selector(this[i]) \n if (maxValue < v) { \n maxValue = v \n } \n } \n return maxValue}

 * Returns the largest value among all values produced by [selector] function * applied to each element in the array
or `null` if there are no elements.
 * If any of values produced by [selector] function is `NaN`, the returned
result is `NaN`.
 * \n @SinceKotlin("1.4") \n @OptIn(kotlin.experimental.ExperimentalTypeInference::class) \n @OverloadResolution
ByLambdaReturnType \n @ExperimentalUnsignedTypes \n @kotlin.internal.InlineOnly \n public inline fun

```

UIntArray.maxOrNull(selector: (UInt) -> Double): Double? {\n if (isEmpty()) return null\n var maxValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue, v)\n }\n return maxValue}\n}\n/\*\*\n \* Returns the largest value among all values produced by [selector] function\n \* applied to each element in the array or `null` if there are no elements.\n \* \n \* If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nULongArray.maxOrNull(selector: (ULong) -> Double): Double? {\n if (isEmpty()) return null\n var\nmaxValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue =\nmaxOf(maxValue, v)\n }\n return maxValue}\n}\n/**\n * Returns the largest value among all values produced\nby [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of\nvalues produced by [selector] function is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nUByteArray.maxOrNull(selector: (UByte) -> Double): Double? {\n if (isEmpty()) return null\n var maxValue\n= selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue,\nv)\n }\n return maxValue}\n}\n/**\n * Returns the largest value among all values produced by [selector]\nfunction\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced\nby [selector] function is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nUShortArray.maxOrNull(selector: (UShort) -> Double): Double? {\n if (isEmpty()) return null\n var\nmaxValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue =\nmaxOf(maxValue, v)\n }\n return maxValue}\n}\n/**\n * Returns the largest value among all values produced\nby [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of\nvalues produced by [selector] function is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nUIntArray.maxOrNull(selector: (UInt) -> Float): Float? {\n if (isEmpty()) return null\n var maxValue =\nselector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue, v)\n }\n return maxValue}\n}\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector]\nfunction is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nULongArray.maxOrNull(selector: (ULong) -> Float): Float? {\n if (isEmpty()) return null\n var maxValue =\nselector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue, v)\n }\n return maxValue}\n}\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector]\nfunction is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution\nByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nUByteArray.maxOrNull(selector: (UByte) -> Float): Float? {\n if (isEmpty()) return null\n var maxValue =\nselector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n maxValue = maxOf(maxValue, v)\n }\n return maxValue}\n}\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector]\nfunction is `NaN`, the returned result is `NaN`.\n
```

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
```

```

ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.maxOfOrNull(selector: (UShort) -> Float): Float? {\n  if (isEmpty()) return null\n  var maxValue =
selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    maxValue = maxOf(maxValue, v)\n  }\n  return maxValue\n}\n\n/**\n * Returns the largest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n\n*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UIntArray.maxOfOrNull(selector: (UInt) -> R): R? {\n  if (isEmpty()) return null\n  var
maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (maxValue < v) {\n
      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n * Returns the largest value among all values
produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n\n*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> ULongArray.maxOfOrNull(selector: (ULong) -> R): R? {\n  if (isEmpty()) return null\n  var
maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (maxValue < v) {\n
      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n * Returns the largest value among all values
produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n\n*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UByteArray.maxOfOrNull(selector: (UByte) -> R): R? {\n  if (isEmpty()) return null\n  var
maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (maxValue < v) {\n
      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n * Returns the largest value among all values
produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n\n*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UShortArray.maxOfOrNull(selector: (UShort) -> R): R? {\n  if (isEmpty()) return null\n  var
maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (maxValue < v) {\n
      maxValue = v\n    }\n  }\n  return maxValue\n}\n\n/**\n * Returns the largest value according to the
provided [comparator]\n * among all values produced by [selector] function applied to each element in the array.\n *
\n * @throws NoSuchElementException if the array is empty.\n\n*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UIntArray.maxOfWith(comparator: Comparator<in R>, selector: (UInt) -> R): R {\n  if (isEmpty()) throw
NoSuchElementException()\n  var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v =
selector(this[i])\n    if (comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return
maxValue\n}\n\n/**\n * Returns the largest value according to the provided [comparator]\n * among all values
produced by [selector] function applied to each element in the array.\n *
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
ULongArray.maxOfWith(comparator: Comparator<in R>, selector: (ULong) -> R): R {\n  if (isEmpty()) throw
NoSuchElementException()\n  var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v =
selector(this[i])\n    if (comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return
maxValue\n}\n\n/**\n * Returns the largest value according to the provided [comparator]\n * among all values
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>

```

UByteArray.maxOfWith(comparator: Comparator<in R>, selector: (UByte) -> R): R {  
 if (isEmpty()) throw NoSuchElementException()  
 var maxValue = selector(this[0])  
 for (i in 1..lastIndex) {  
 val v = selector(this[i])  
 if (comparator.compare(maxValue, v) < 0) {  
 maxValue = v  
 }  
 }  
 return maxValue  
}

\* Returns the largest value according to the provided [comparator] among all values produced by [selector] function applied to each element in the array.  
 @throws NoSuchElementException if the array is empty.

```
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>  
UShortArray.maxOfWith(comparator: Comparator<in R>, selector: (UShort) -> R): R {  
  if (isEmpty()) throw  
  NoSuchElementException()\n  var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v =  
  selector(this[i])\n    if (comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return  
  maxValue\n}
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\* Returns the largest value according to the provided [comparator] among all values produced by [selector] function applied to each element in the array or `null` if there are no elements.

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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolutionByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>  
UIntArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (UInt) -> R): R? {  
  if (isEmpty()) return  
  null\n  var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if  
  (comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return  
  maxValue\n}
```

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ULongArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (ULong) -> R): R? {  
  if (isEmpty())  
  return null\n  var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if  
  (comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return  
  maxValue\n}
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UByteArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (UByte) -> R): R? {  
  if (isEmpty())  
  return null\n  var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if  
  (comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return  
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```
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UShortArray.maxOfWithOrNull(comparator: Comparator<in R>, selector: (UShort) -> R): R? {  
  if (isEmpty())  
  return null\n  var maxValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if  
  (comparator.compare(maxValue, v) < 0) {\n      maxValue = v\n    }\n  }\n  return  
  maxValue\n}
```

\* Returns the largest element or `null` if there are no elements.

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.maxOrNull(): UInt? {  
  if  
  (isEmpty()) return null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if  
  (max < e) max = e\n  }\n  return  
  max\n}
```

\* Returns the largest element or `null` if there are no elements.

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.maxOrNull(): ULong? {  
  if  
  (isEmpty()) return null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if  
  (max < e) max = e\n  }\n  return  
  max\n}
```

\* Returns the largest element or `null` if there are no elements.

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.maxOrNull(): UByte? {  
  if  
  (isEmpty()) return null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if  
  (max < e) max
```

```

= e\n } \n return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.maxOrNull(): UShort? {\n if
(isEmpty()) return null\n var max = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n if (max < e) max
= e\n }\n return max\n}\n\n@Deprecated("Use maxWithOrNull instead."),
ReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UIntArray.maxWith(comparator: Comparator<in UInt>): UInt? {\n return
maxWithOrNull(comparator)\n}\n\n@Deprecated("Use maxWithOrNull instead."),
ReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
ULongArray.maxWith(comparator: Comparator<in ULong>): ULong? {\n return
maxWithOrNull(comparator)\n}\n\n@Deprecated("Use maxWithOrNull instead."),
ReplaceWith("this.maxWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
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UByteArray.maxWith(comparator: Comparator<in UByte>): UByte? {\n return
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= "1.5", hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UShortArray.maxWith(comparator: Comparator<in UShort>): UShort? {\n return
maxWithOrNull(comparator)\n}\n\n/**\n * Returns the first element having the largest value according to the
provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.maxWithOrNull(comparator:
Comparator<in UInt>): UInt? {\n if (isEmpty()) return null\n var max = this[0]\n for (i in 1..lastIndex) {\n
val e = this[i]\n if (comparator.compare(max, e) < 0) max = e\n }\n return max\n}\n\n/**\n * Returns the
first element having the largest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.maxWithOrNull(comparator:
Comparator<in ULong>): ULong? {\n if (isEmpty()) return null\n var max = this[0]\n for (i in 1..lastIndex) {\n
val e = this[i]\n if (comparator.compare(max, e) < 0) max = e\n }\n return max\n}\n\n/**\n * Returns the
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Comparator<in UByte>): UByte? {\n if (isEmpty()) return null\n var max = this[0]\n for (i in 1..lastIndex) {\n
val e = this[i]\n if (comparator.compare(max, e) < 0) max = e\n }\n return max\n}\n\n/**\n * Returns the
first element having the largest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.maxWithOrNull(comparator:
Comparator<in UShort>): UShort? {\n if (isEmpty()) return null\n var max = this[0]\n for (i in 1..lastIndex) {\n
val e = this[i]\n if (comparator.compare(max, e) < 0) max = e\n }\n return
max\n}\n\n@Deprecated("Use minOrNull instead."),
ReplaceWith("this.minOrNull()")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.min(): UInt?
{\n return minOrNull()\n}\n\n@Deprecated("Use minOrNull instead."),
ReplaceWith("this.minOrNull()")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.min():
ULong? {\n return minOrNull()\n}\n\n@Deprecated("Use minOrNull instead."),
ReplaceWith("this.minOrNull()")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.5",
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hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.min():

```

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UShort? {\n  return minOrNull()\n}\n\n@Deprecated(\\"Use minByOrNull instead.\",
ReplaceWith(\\"this.minByOrNull(selector)\")\n)\n@DeprecatedSinceKotlin(warningSince = \\"1.4\", errorSince =
\\"1.5\", hiddenSince =
\\"1.6\")\n@SinceKotlin(\\"1.3\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
<R : Comparable<R>> UIntArray.minBy(selector: (UInt) -> R): UInt? {\n  return
minByOrNull(selector)\n}\n\n@Deprecated(\\"Use minByOrNull instead.\",
ReplaceWith(\\"this.minByOrNull(selector)\")\n)\n@DeprecatedSinceKotlin(warningSince = \\"1.4\", errorSince =
\\"1.5\", hiddenSince =
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<R : Comparable<R>> ULongArray.minBy(selector: (ULong) -> R): ULong? {\n  return
minByOrNull(selector)\n}\n\n@Deprecated(\\"Use minByOrNull instead.\",
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\\"1.5\", hiddenSince =
\\"1.6\")\n@SinceKotlin(\\"1.3\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
<R : Comparable<R>> UShortArray.minBy(selector: (UShort) -> R): UShort? {\n  return
minByOrNull(selector)\n}\n\n/**\n * Returns the first element yielding the smallest value of the given function or
`null` if there are no elements.\n * \n * @sample samples.collections.Collections.Aggregates.minByOrNull\n
*/\n@SinceKotlin(\\"1.4\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UIntArray.minByOrNull(selector: (UInt) -> R): UInt? {\n  if (isEmpty()) return null\n  var
minElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return minElem\n  var minValue =
selector(minElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (minValue > v)
{\n      minElem = e\n      minValue = v\n    }\n  }\n  return minElem\n}\n\n/**\n * Returns the first
element yielding the smallest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.minByOrNull\n
*/\n@SinceKotlin(\\"1.4\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> ULongArray.minByOrNull(selector: (ULong) -> R): ULong? {\n  if (isEmpty()) return null\n
var minElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return minElem\n  var minValue =
selector(minElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (minValue > v)
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Comparable<R>> UByteArray.minByOrNull(selector: (UByte) -> R): UByte? {\n  if (isEmpty()) return null\n
var minElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return minElem\n  var minValue =
selector(minElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (minValue > v)
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*/\n@SinceKotlin(\\"1.4\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UShortArray.minByOrNull(selector: (UShort) -> R): UShort? {\n  if (isEmpty()) return null\n
var minElem = this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return minElem\n  var minValue =
selector(minElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (minValue > v)
{\n      minElem = e\n      minValue = v\n    }\n  }\n  return minElem\n}\n\n/**\n * Returns the smallest

```

value among all values produced by [selector] function\n \* applied to each element in the array.\n \* \n \* If any of values produced by [selector] function is `NaN`, the returned result is `NaN`.\n \* \n \* @throws NoSuchElementException if the array is empty.\n

```

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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.minOf(selector: (UInt) -> Double): Double {\n    if (isEmpty()) throw NoSuchElementException()\n
var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue =
minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced
by [selector] function\n * applied to each element in the array.\n * \n * If any of values produced by [selector]
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var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue =
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UShortArray.minOf(selector: (UShort) -> Double): Double {\n    if (isEmpty()) throw NoSuchElementException()\n
var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue =
minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.minOf(selector: (UInt) -> Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n
var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue =
minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced
by [selector] function\n * applied to each element in the array.\n * \n * If any of values produced by [selector]
function is `NaN`, the returned result is `NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
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ULongArray.minOf(selector: (ULong) -> Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n
var minValue = selector(this[0])\n    for (i in 1..lastIndex) {\n        val v = selector(this[i])\n        minValue =
minOf(minValue, v)\n    }\n    return minValue\n}\n\n/**\n * Returns the smallest value among all values produced
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.minOf(selector: (UByte) -> Float): Float {\n    if (isEmpty()) throw NoSuchElementException()\n
var

```

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minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n minValue =
minOf(minValue, v)\n }\n return minValue\n}\n\n/**\n * Returns the smallest value among all values produced
by [selector] function\n * applied to each element in the array.\n * \n * If any of values produced by [selector]
function is `NaN`, the returned result is `NaN`.\n * \n * @throws NoSuchElementException if the array is empty.\n
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.minOf(selector: (UShort) -> Float): Float {\n if (isEmpty()) throw NoSuchElementException()\n
var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n minValue =
minOf(minValue, v)\n }\n return minValue\n}\n\n/**\n * Returns the smallest value among all values produced
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UIntArray.minOf(selector: (UInt) -> R): R {\n if (isEmpty()) throw
NoSuchElementException()\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v =
selector(this[i])\n if (minValue > v) {\n minValue = v\n }\n }\n return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the
array.\n * \n * @throws NoSuchElementException if the array is empty.\n
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> ULongArray.minOf(selector: (ULong) -> R): R {\n if (isEmpty()) throw
NoSuchElementException()\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v =
selector(this[i])\n if (minValue > v) {\n minValue = v\n }\n }\n return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the
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Comparable<R>> UByteArray.minOf(selector: (UByte) -> R): R {\n if (isEmpty()) throw
NoSuchElementException()\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v =
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UShortArray.minOf(selector: (UShort) -> R): R {\n if (isEmpty()) throw
NoSuchElementException()\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v =
selector(this[i])\n if (minValue > v) {\n minValue = v\n }\n }\n return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array
or `null` if there are no elements.\n * \n * If any of values produced by [selector] function is `NaN`, the returned
result is `NaN`.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.minOfOrNull(selector: (UInt) -> Double): Double? {\n if (isEmpty()) return null\n var minValue =
selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n minValue = minOf(minValue, v)\n
}\n return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n *
applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector]
function is `NaN`, the returned result is `NaN`.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution

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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.minOfOrNull(selector: (ULong) -> Double): Double? {\n  if (isEmpty()) return null\n  var minValue
= selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    minValue = minOf(minValue, v)\n  }\n  return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by
[selector] function is `NaN`, the returned result is `NaN`.\n
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.minOfOrNull(selector: (UShort) -> Double): Double? {\n  if (isEmpty()) return null\n  var minValue
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.minOfOrNull(selector: (UInt) -> Float): Float? {\n  if (isEmpty()) return null\n  var minValue =
selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    minValue = minOf(minValue, v)\n  }\n  return minValue\n}\n\n/**\n * Returns the smallest value among all values produced by [selector] function\n * applied to each element in the array or `null` if there are no elements.\n * \n * If any of values produced by [selector]
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.minOfOrNull(selector: (UShort) -> Float): Float? {\n  if (isEmpty()) return null\n  var minValue =
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution

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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UIntArray.minOfOrNull(selector: (UInt) -> R): R? {\n  if (isEmpty()) return null\n  var
minValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (minValue > v) {\n
    minValue = v\n    }\n  }\n  return minValue\n}\n\n/**\n * Returns the smallest value among all values
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> ULongArray.minOfOrNull(selector: (ULong) -> R): R? {\n  if (isEmpty()) return null\n  var
minValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (minValue > v) {\n
    minValue = v\n    }\n  }\n  return minValue\n}\n\n/**\n * Returns the smallest value among all values
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minValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (minValue > v) {\n
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UShortArray.minOfOrNull(selector: (UShort) -> R): R? {\n  if (isEmpty()) return null\n  var
minValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v = selector(this[i])\n    if (minValue > v) {\n
    minValue = v\n    }\n  }\n  return minValue\n}\n\n/**\n * Returns the smallest value according to the
provided [comparator]\n * among all values produced by [selector] function applied to each element in the array.\n
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UIntArray.minOfWith(comparator: Comparator<in R>, selector: (UInt) -> R): R {\n  if (isEmpty()) throw
NoSuchElementException()\n  var minValue = selector(this[0])\n  for (i in 1..lastIndex) {\n    val v =
selector(this[i])\n    if (comparator.compare(minValue, v) > 0) {\n      minValue = v\n    }\n  }\n  return
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UShortArray.minOfWith(comparator: Comparator<in R>, selector: (UShort) -> R): R {\n if (isEmpty()) throw
NoSuchElementException()\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v =
selector(this[i])\n if (comparator.compare(minValue, v) > 0) {\n minValue = v\n }\n }\n return
minValue\n}\n\n/**\n * Returns the smallest value according to the provided [comparator]\n * among all values
produced by [selector] function applied to each element in the array or `null` if there are no elements.\n
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ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UIntArray.minOfWithOrNull(comparator: Comparator<in R>, selector: (UInt) -> R): R? {\n if (isEmpty()) return
null\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
(comparator.compare(minValue, v) > 0) {\n minValue = v\n }\n }\n return minValue\n}\n\n/**\n *
Returns the smallest value according to the provided [comparator]\n * among all values produced by [selector]
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ULongArray.minOfWithOrNull(comparator: Comparator<in R>, selector: (ULong) -> R): R? {\n if (isEmpty())
return null\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
(comparator.compare(minValue, v) > 0) {\n minValue = v\n }\n }\n return minValue\n}\n\n/**\n *
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UByteArray.minOfWithOrNull(comparator: Comparator<in R>, selector: (UByte) -> R): R? {\n if (isEmpty())
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*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UShortArray.minOfWithOrNull(comparator: Comparator<in R>, selector: (UShort) -> R): R? {\n if (isEmpty())
return null\n var minValue = selector(this[0])\n for (i in 1..lastIndex) {\n val v = selector(this[i])\n if
(comparator.compare(minValue, v) > 0) {\n minValue = v\n }\n }\n return minValue\n}\n\n/**\n *
Returns the smallest element or `null` if there are no elements.\n
*\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.minOrNull(): UInt? {\n if
(isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n if (min > e) min =
e\n }\n return min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n
*\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.minOrNull(): ULong? {\n if
(isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n if (min > e) min =
e\n }\n return min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n
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*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.minOrNull(): UByte? {\n if
(isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n if (min > e) min =
e\n }\n return min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n
*\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.minOrNull(): UShort? {\n if
(isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n val e = this[i]\n if (min > e) min =
e\n }\n return min\n}\n\n@Deprecated("Use minWithOrNull instead.")
ReplaceWith("this.minWithOrNull(comparator)")\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun

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UIntArray.minWith(comparator: Comparator<in UInt>): UInt? {\n  return
minWithOrNull(comparator)\n}\n\n@Deprecated("Use minWithOrNull instead.\n",
ReplaceWith("this.minWithOrNull(comparator)")\n)\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
ULongArray.minWith(comparator: Comparator<in ULong>): ULong? {\n  return
minWithOrNull(comparator)\n}\n\n@Deprecated("Use minWithOrNull instead.\n",
ReplaceWith("this.minWithOrNull(comparator)")\n)\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince
= "1.5", hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UByteArray.minWith(comparator: Comparator<in UByte>): UByte? {\n  return
minWithOrNull(comparator)\n}\n\n@Deprecated("Use minWithOrNull instead.\n",
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= "1.5", hiddenSince = "1.6")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UShortArray.minWith(comparator: Comparator<in UShort>): UShort? {\n  return
minWithOrNull(comparator)\n}\n\n/**\n * Returns the first element having the smallest value according to the
provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.minWithOrNull(comparator:
Comparator<in UInt>): UInt? {\n  if (isEmpty()) return null\n  var min = this[0]\n  for (i in 1..lastIndex) {\n
val e = this[i]\n    if (comparator.compare(min, e) > 0) min = e\n  }\n  return min\n}\n\n/**\n * Returns the first
element having the smallest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.minWithOrNull(comparator:
Comparator<in ULong>): ULong? {\n  if (isEmpty()) return null\n  var min = this[0]\n  for (i in 1..lastIndex) {\n
val e = this[i]\n    if (comparator.compare(min, e) > 0) min = e\n  }\n  return min\n}\n\n/**\n * Returns the
first element having the smallest value according to the provided [comparator] or `null` if there are no elements.\n
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Comparator<in UByte>): UByte? {\n  if (isEmpty()) return null\n  var min = this[0]\n  for (i in 1..lastIndex) {\n
val e = this[i]\n    if (comparator.compare(min, e) > 0) min = e\n  }\n  return min\n}\n\n/**\n * Returns the
first element having the smallest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.minWithOrNull(comparator:
Comparator<in UShort>): UShort? {\n  if (isEmpty()) return null\n  var min = this[0]\n  for (i in 1..lastIndex) {\n
val e = this[i]\n    if (comparator.compare(min, e) > 0) min = e\n  }\n  return min\n}\n\n/**\n * Returns
`true` if the array has no elements.\n * \n * @sample samples.collections.Collections.Aggregates.none\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.none(): Boolean {\n  return isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n *
@sample samples.collections.Collections.Aggregates.none\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.none(): Boolean {\n  return isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n *
@sample samples.collections.Collections.Aggregates.none\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.none(): Boolean {\n  return isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n *
@sample samples.collections.Collections.Aggregates.none\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.none(): Boolean {\n  return isEmpty()\n}\n\n/**\n * Returns `true` if no elements match the given
[predicate].\n * \n * @sample samples.collections.Collections.Aggregates.noneWithPredicate\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.none(predicate: (UInt) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return
false\n  return true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun

```

```

ULongArray.none(predicate: (ULong) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return false
    return true
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

^@SinceKotlin("1.3")
^@ExperimentalUnsignedTypes
^@kotlin.internal.InlineOnly
public inline fun
UByteArray.none(predicate: (UByte) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return false
    return true
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

^@SinceKotlin("1.3")
^@ExperimentalUnsignedTypes
^@kotlin.internal.InlineOnly
public inline fun
UShortArray.none(predicate: (UShort) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return false
    return true
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

^@SinceKotlin("1.4")
^@ExperimentalUnsignedTypes
^@kotlin.internal.InlineOnly
public inline fun
UIntArray.forEach(action: (UInt) -> Unit): UIntArray {
    return apply { for (element in this) action(element) }
}

Returns the array itself afterwards.

^@SinceKotlin("1.4")
^@ExperimentalUnsignedTypes
^@kotlin.internal.InlineOnly
public inline fun
UIntArray.forEachIndexed(action: (index: Int, UInt) -> Unit): UIntArray {
    return apply { for (index, element) in this withIndex { action(index, element) } }
}

Returns the array itself afterwards, providing sequential index with the element.

@sample
samples.collections.Collections.Aggregates.reduce

^@SinceKotlin("1.4")
^@ExperimentalUnsignedTypes
^@kotlin.internal.InlineOnly
public inline fun
UByteArray.forEach(action: (UByte) -> Unit): UByteArray {
    return apply { for (element in this) action(element) }
}

Returns the array itself afterwards.

^@SinceKotlin("1.4")
^@ExperimentalUnsignedTypes
^@kotlin.internal.InlineOnly
public inline fun
UShortArray.forEach(action: (UShort) -> Unit): UShortArray {
    return apply { for (element in this) action(element) }
}

Returns the array itself afterwards, providing sequential index with the element.

@sample
samples.collections.Collections.Aggregates.reduce

^@SinceKotlin("1.4")
^@ExperimentalUnsignedTypes
^@kotlin.internal.InlineOnly
public inline fun
UIntArray.forEachIndexed(action: (index: Int, UInt) -> Unit): UIntArray {
    return apply { for (index, element) in this withIndex { action(index, element) } }
}

Returns the array itself afterwards, providing sequential index with the element.

@sample
samples.collections.Collections.Aggregates.reduce

^@SinceKotlin("1.4")
^@ExperimentalUnsignedTypes
^@kotlin.internal.InlineOnly
public inline fun
UByteArray.forEachIndexed(action: (index: Int, UByte) -> Unit): UByteArray {
    return apply { for (index, element) in this withIndex { action(index, element) } }
}

Returns the array itself afterwards, providing sequential index with the element.

@sample
samples.collections.Collections.Aggregates.reduce

^@SinceKotlin("1.4")
^@ExperimentalUnsignedTypes
^@kotlin.internal.InlineOnly
public inline fun
UShortArray.forEachIndexed(action: (index: Int, UShort) -> Unit): UShortArray {
    return apply { for (index, element) in this withIndex { action(index, element) } }
}

Returns the array itself afterwards, providing sequential index with the element.

@sample
samples.collections.Collections.Aggregates.reduce

^@SinceKotlin("1.3")
^@ExperimentalUnsignedTypes
^@kotlin.internal.InlineOnly
public inline fun
UIntArray.reduce(operation: (acc: UInt, UInt) -> UInt): UInt {
    if (isEmpty()) throw

```

```

UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in
1..lastIndex) {\n        accumulator = operation(accumulator, this[index])\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current
accumulator value and each element.\n * \n * Throws an exception if this array is empty. If the array can be empty
in an expected way,\n * please use [reduceOrNull] instead. It returns `null` when its receiver is empty.\n * \n *
@param [operation] function that takes current accumulator value and an element,\n * and calculates the next
accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduce\n
*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.reduce(operation: (acc: ULong, ULong) -> ULong): ULong {\n    if (isEmpty())\n        throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in
1..lastIndex) {\n        accumulator = operation(accumulator, this[index])\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current
accumulator value and each element.\n * \n * Throws an exception if this array is empty. If the array can be empty
in an expected way,\n * please use [reduceOrNull] instead. It returns `null` when its receiver is empty.\n * \n *
@param [operation] function that takes current accumulator value and an element,\n * and calculates the next
accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduce\n
*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.reduce(operation: (acc: UByte, UByte) -> UByte): UByte {\n    if (isEmpty())\n        throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in
1..lastIndex) {\n        accumulator = operation(accumulator, this[index])\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current
accumulator value and each element.\n * \n * Throws an exception if this array is empty. If the array can be empty
in an expected way,\n * please use [reduceOrNull] instead. It returns `null` when its receiver is empty.\n * \n *
@param [operation] function that takes current accumulator value and an element,\n * and calculates the next
accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduce\n
*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.reduce(operation: (acc: UShort, UShort) -> UShort): UShort {\n    if (isEmpty())\n        throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in
1..lastIndex) {\n        accumulator = operation(accumulator, this[index])\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current
accumulator value and each element with its index in the original array.\n * \n * Throws an exception if this array is
empty. If the array can be empty in an expected way,\n * please use [reduceIndexedOrNull] instead. It returns `null`
when its receiver is empty.\n * \n * @param [operation] function that takes the index of an element, current
accumulator value and the element itself,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduce\n
*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.reduceIndexed(operation: (index: Int, acc: UInt, UInt) -> UInt): UInt {\n    if (isEmpty())\n        throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in
1..lastIndex) {\n        accumulator = operation(index, accumulator, this[index])\n    }\n    return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * \n * Throws an
exception if this array is empty. If the array can be empty in an expected way,\n * please use [reduceIndexedOrNull]
instead. It returns `null` when its receiver is empty.\n * \n * @param [operation] function that takes the index of an
element, current accumulator value and the element itself,\n * and calculates the next accumulator value.\n * \n *
@param [operation] function that takes the index of an element, current accumulator value and the element itself,\n *
and calculates the next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduce\n
*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.reduceIndexed(operation: (index: Int, acc: ULong, ULong) -> ULong): ULong {\n    if (isEmpty())\n        throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for

```

```

(index in 1..lastIndex) {\n    accumulator = operation(index, accumulator, this[index])\n } \n return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * \n * Throws an
exception if this array is empty. If the array can be empty in an expected way,\n * please use [reduceIndexedOrNull]
instead. It returns `null` when its receiver is empty.\n * \n * @param [operation] function that takes the index of an
element, current accumulator value and the element itself,\n * and calculates the next accumulator value.\n * \n *
@sample samples.collections.Collections.Aggregates.reduce\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.reduceIndexed(operation: (index: Int, acc: UByte, UByte) -> UByte): UByte {\n    if (isEmpty())\n    throw UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for
(index in 1..lastIndex) {\n    accumulator = operation(index, accumulator, this[index])\n } \n return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * \n * Throws an
exception if this array is empty. If the array can be empty in an expected way,\n * please use [reduceIndexedOrNull]
instead. It returns `null` when its receiver is empty.\n * \n * @param [operation] function that takes the index of an
element, current accumulator value and the element itself,\n * and calculates the next accumulator value.\n * \n *
@sample samples.collections.Collections.Aggregates.reduce\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.reduceIndexed(operation: (index: Int, acc: UShort, UShort) -> UShort): UShort {\n    if (isEmpty())\n    throw UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for
(index in 1..lastIndex) {\n    accumulator = operation(index, accumulator, this[index])\n } \n return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * \n * Returns `null` if
the array is empty.\n * \n * @param [operation] function that takes the index of an element, current accumulator
value and the element itself,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceOrNull\n
*/\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.reduceIndexedOrNull(operation: (index: Int, acc: UInt, UInt) -> UInt): UInt? {\n    if (isEmpty())\n    return null\n    var accumulator = this[0]\n    for (index in 1..lastIndex) {\n    accumulator = operation(index,
accumulator, this[index])\n } \n return accumulator\n}\n\n/**\n * Accumulates value starting with the first
element and applying [operation] from left to right\n * to current accumulator value and each element with its index
in the original array.\n * \n * Returns `null` if the array is empty.\n * \n * @param [operation] function that takes the
index of an element, current accumulator value and the element itself,\n * and calculates the next accumulator
value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceOrNull\n
*/\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.reduceIndexedOrNull(operation: (index: Int, acc: ULong, ULong) -> ULong): ULong? {\n    if
(isEmpty())\n    return null\n    var accumulator = this[0]\n    for (index in 1..lastIndex) {\n    accumulator =
operation(index, accumulator, this[index])\n } \n return accumulator\n}\n\n/**\n * Accumulates value starting
with the first element and applying [operation] from left to right\n * to current accumulator value and each element
with its index in the original array.\n * \n * Returns `null` if the array is empty.\n * \n * @param [operation]
function that takes the index of an element, current accumulator value and the element itself,\n * and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceOrNull\n
*/\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.reduceIndexedOrNull(operation: (index: Int, acc: UByte, UByte) -> UByte): UByte? {\n    if
(isEmpty())\n    return null\n    var accumulator = this[0]\n    for (index in 1..lastIndex) {\n    accumulator =
operation(index, accumulator, this[index])\n } \n return accumulator\n}\n\n/**\n * Accumulates value starting
with the first element and applying [operation] from left to right\n * to current accumulator value and each element
with its index in the original array.\n * \n * Returns `null` if the array is empty.\n * \n * @param [operation]
function that takes the index of an element, current accumulator value and the element itself,\n * and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceOrNull\n
*/

```

function that takes the index of an element, current accumulator value and the element itself, and calculates the next accumulator value.

```

@SinceKotlin("1.4")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun UShortArray.reduceIndexedOrNull(operation: (index: Int, acc: UShort, UShort) -> UShort): UShort? {
    if (isEmpty()) return null
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(index, accumulator, this[index])
    }
    return accumulator
}

```

Accumulates value starting with the first element and applying [operation] from left to right to current accumulator value and each element. Returns `null` if the array is empty. @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value. @sample samples.collections.Collections.Aggregates.reduceOrNull

```

@SinceKotlin("1.4")@ExperimentalUnsignedTypes@WasExperimental(ExperimentalStdlibApi::class)
@kotlin.internal.InlineOnly
public inline fun UIntArray.reduceOrNull(operation: (acc: UInt, UInt) -> UInt): UInt? {
    if (isEmpty()) return null
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(accumulator, this[index])
    }
    return accumulator
}

```

Accumulates value starting with the first element and applying [operation] from left to right to current accumulator value and each element. Returns `null` if the array is empty. @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value. @sample samples.collections.Collections.Aggregates.reduceOrNull

```

@SinceKotlin("1.4")@ExperimentalUnsignedTypes@WasExperimental(ExperimentalStdlibApi::class)
@kotlin.internal.InlineOnly
public inline fun ULongArray.reduceOrNull(operation: (acc: ULong, ULong) -> ULong): ULong? {
    if (isEmpty()) return null
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(accumulator, this[index])
    }
    return accumulator
}

```

Accumulates value starting with the first element and applying [operation] from left to right to current accumulator value and each element. Returns `null` if the array is empty. @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value. @sample samples.collections.Collections.Aggregates.reduceOrNull

```

@SinceKotlin("1.4")@ExperimentalUnsignedTypes@WasExperimental(ExperimentalStdlibApi::class)
@kotlin.internal.InlineOnly
public inline fun UByteArray.reduceOrNull(operation: (acc: UByte, UByte) -> UByte): UByte? {
    if (isEmpty()) return null
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(accumulator, this[index])
    }
    return accumulator
}

```

Accumulates value starting with the first element and applying [operation] from left to right to current accumulator value and each element. Returns `null` if the array is empty. @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value. @sample samples.collections.Collections.Aggregates.reduceOrNull

```

@SinceKotlin("1.4")@ExperimentalUnsignedTypes@WasExperimental(ExperimentalStdlibApi::class)
@kotlin.internal.InlineOnly
public inline fun UShortArray.reduceRightOrNull(operation: (acc: UShort, UShort) -> UShort): UShort? {
    if (isEmpty()) return null
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(accumulator, this[index])
    }
    return accumulator
}

```

Accumulates value starting with the last element and applying [operation] from right to left to each element and current accumulator value. Throws an exception if this array is empty. If the array can be empty in an expected way, please use [reduceRightOrNull] instead. It returns `null` when its receiver is empty. @param [operation] function that takes an element and current accumulator value, and calculates the next accumulator value. @sample samples.collections.Collections.Aggregates.reduceRight

```

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun UIntArray.reduceRight(operation: (UInt, acc: UInt) -> UInt): UInt {
    var index = lastIndex
    if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = get(index--)
    while (index >= 0) {
        accumulator = operation(get(index--), accumulator)
    }
    return accumulator
}

```

Accumulates value starting with the last element and applying [operation] from right to

left\n \* to each element and current accumulator value.\n \* \n \* Throws an exception if this array is empty. If the array can be empty in an expected way,\n \* please use [reduceRightOrNull] instead. It returns `null` when its receiver is empty.\n \* \n \* @param [operation] function that takes an element and current accumulator value,\n \* and calculates the next accumulator value.\n \* \n \* @sample

```

samples.collections.Collections.Aggregates.reduceRight\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.reduceRight(operation: (UByte, acc: UByte) -> UByte): UByte {\n  var index = lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator =
get(index--)\n  while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the last element and applying [operation] from right to
left\n * to each element and current accumulator value.\n * \n * Throws an exception if this array is empty. If the array can be empty in an expected way,\n * please use [reduceRightOrNull] instead. It returns `null` when its receiver is empty.\n * \n * @param [operation] function that takes an element and current accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRight\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.reduceRight(operation: (UShort, acc: UShort) -> UShort): UShort {\n  var index = lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator =
get(index--)\n  while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the last element and applying [operation] from right to
left\n * to each element with its index in the original array and current accumulator value.\n * \n * Throws an
exception if this array is empty. If the array can be empty in an expected way,\n * please use
[reduceRightIndexedOrNull] instead. It returns `null` when its receiver is empty.\n * \n * @param [operation]
function that takes the index of an element, the element itself and current accumulator value,\n * and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceRight\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.reduceRightIndexed(operation: (index: Int, UInt, acc: UInt) -> UInt): UInt {\n  var index = lastIndex\n
if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator =
get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index), accumulator)\n    --index\n
  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last element and applying [operation]
from right to left\n * to each element with its index in the original array and current accumulator value.\n * \n *
Throws an exception if this array is empty. If the array can be empty in an expected way,\n * please use
[reduceRightIndexedOrNull] instead. It returns `null` when its receiver is empty.\n * \n * @param [operation]
function that takes the index of an element, the element itself and current accumulator value,\n * and calculates the
next accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceRight\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.reduceRightIndexed(operation: (index: Int, UByte, acc: UByte) -> UByte): UByte {\n  var index =
lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var

```

```

accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last
element and applying [operation] from right to left\n * to each element with its index in the original array and
current accumulator value.\n * \n * Throws an exception if this array is empty. If the array can be empty in an
expected way,\n * please use [reduceRightIndexedOrNull] instead. It returns `null` when its receiver is empty.\n * \n
* @param [operation] function that takes the index of an element, the element itself and current accumulator
value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRight\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.reduceRightIndexed(operation: (index: Int, UByte, acc: UByte) -> UByte): UByte {\n  var index =
lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var
accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last
element and applying [operation] from right to left\n * to each element with its index in the original array and
current accumulator value.\n * \n * Throws an exception if this array is empty. If the array can be empty in an
expected way,\n * please use [reduceRightIndexedOrNull] instead. It returns `null` when its receiver is empty.\n * \n
* @param [operation] function that takes the index of an element, the element itself and current accumulator
value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRight\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.reduceRightIndexed(operation: (index: Int, UShort, acc: UShort) -> UShort): UShort {\n  var index =
lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n  var
accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the last
element and applying [operation] from right to left\n * to each element with its index in the original array and
current accumulator value.\n * \n * Returns `null` if the array is empty.\n * \n * @param [operation] function that
takes the index of an element, the element itself and current accumulator value,\n * and calculates the next
accumulator value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.reduceRightIndexedOrNull(operation: (index: Int, UInt, acc: UInt) -> UInt): UInt? {\n  var index =
lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element with
its index in the original array and current accumulator value.\n * \n * Returns `null` if the array is empty.\n * \n
* @param [operation] function that takes the index of an element, the element itself and current accumulator value,\n
* and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.reduceRightIndexedOrNull(operation: (index: Int, ULong, acc: ULong) -> ULong): ULong? {\n  var
index = lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element with
its index in the original array and current accumulator value.\n * \n * Returns `null` if the array is empty.\n * \n
* @param [operation] function that takes the index of an element, the element itself and current accumulator value,\n
* and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.reduceRightIndexedOrNull(operation: (index: Int, UByte, acc: UByte) -> UByte): UByte? {\n  var

```

```

index = lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element with
its index in the original array and current accumulator value.\n * \n * Returns `null` if the array is empty.\n * \n *
@param [operation] function that takes the index of an element, the element itself and current accumulator value,\n
* and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n
*/\n\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.reduceRightIndexedOrNull(operation: (index: Int, UShort, acc: UShort) -> UShort): UShort? {\n  var
index = lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element and
current accumulator value.\n * \n * Returns `null` if the array is empty.\n * \n * @param [operation] function that
takes an element and current accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n
*/\n\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@WasExperimental(ExperimentalStdlibApi::class)\n
@kotlin.internal.InlineOnly\npublic inline fun UIntArray.reduceRightOrNull(operation: (UInt, acc: UInt) -> UInt):
UInt? {\n  var index = lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n  while (index
>= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the last element and applying [operation] from right to left\n * to each element and
current accumulator value.\n * \n * Returns `null` if the array is empty.\n * \n * @param [operation] function that
takes an element and current accumulator value,\n * and calculates the next accumulator value.\n * \n * @sample
samples.collections.Collections.Aggregates.reduceRightOrNull\n
*/\n\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@WasExperimental(ExperimentalStdlibApi::class)\n
@kotlin.internal.InlineOnly\npublic inline fun ULongArray.reduceRightOrNull(operation: (ULong, acc: ULong) ->
ULong): ULong? {\n  var index = lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n
while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the last element and applying [operation] from right to
left\n * to each element and current accumulator value.\n * \n * Returns `null` if the array is empty.\n * \n * @param
[operation] function that takes an element and current accumulator value,\n * and calculates the next accumulator
value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceRightOrNull\n
*/\n\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@WasExperimental(ExperimentalStdlibApi::class)\n
@kotlin.internal.InlineOnly\npublic inline fun UByteArray.reduceRightOrNull(operation: (UByte, acc: UByte) ->
UByte): UByte? {\n  var index = lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n
while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the last element and applying [operation] from right to
left\n * to each element and current accumulator value.\n * \n * Returns `null` if the array is empty.\n * \n * @param
[operation] function that takes an element and current accumulator value,\n * and calculates the next accumulator
value.\n * \n * @sample samples.collections.Collections.Aggregates.reduceRightOrNull\n
*/\n\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@WasExperimental(ExperimentalStdlibApi::class)\n
@kotlin.internal.InlineOnly\npublic inline fun UShortArray.reduceRightOrNull(operation: (UShort, acc: UShort) ->
UShort): UShort? {\n  var index = lastIndex\n  if (index < 0) return null\n  var accumulator = get(index--)\n
while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n  return
accumulator\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying
[operation] from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n
* Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the
previous value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an
element, and calculates the next accumulator value.\n * \n * @sample

```

samples.collections.Collections.Aggregates.runningFold

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>\nUIntArray.runningFold(initial: R, operation: (acc: R, UInt) -> R): List<R> {\n    if (isEmpty()) return\n    listOf(initial)\n    val result = ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator = initial\n    for\n    (element in this) {\n        accumulator = operation(accumulator, element)\n        result.add(accumulator)\n    }\n    return result\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying\n [operation] from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the\n previous value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an\n element, and calculates the next accumulator value.\n * \n * @sample
```

samples.collections.Collections.Aggregates.runningFold

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>\nULongArray.runningFold(initial: R, operation: (acc: R, ULong) -> R): List<R> {\n    if (isEmpty()) return\n    listOf(initial)\n    val result = ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator = initial\n    for\n    (element in this) {\n        accumulator = operation(accumulator, element)\n        result.add(accumulator)\n    }\n    return result\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying\n [operation] from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the\n previous value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an\n element, and calculates the next accumulator value.\n * \n * @sample
```

samples.collections.Collections.Aggregates.runningFold

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>\nUByteArray.runningFold(initial: R, operation: (acc: R, UByte) -> R): List<R> {\n    if (isEmpty()) return\n    listOf(initial)\n    val result = ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator = initial\n    for\n    (element in this) {\n        accumulator = operation(accumulator, element)\n        result.add(accumulator)\n    }\n    return result\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying\n [operation] from left to right\n * to each element and current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the\n previous value in resulting list.\n * \n * @param [operation] function that takes current accumulator value and an\n element, and calculates the next accumulator value.\n * \n * @sample
```

samples.collections.Collections.Aggregates.runningFold

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>\nUShortArray.runningFold(initial: R, operation: (acc: R, UShort) -> R): List<R> {\n    if (isEmpty()) return\n    listOf(initial)\n    val result = ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator = initial\n    for\n    (element in this) {\n        accumulator = operation(accumulator, element)\n        result.add(accumulator)\n    }\n    return result\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying\n [operation] from left to right\n * to each element, its index in the original array and current accumulator value that\n starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * \n * @param [operation] function that takes the\n index of an element, current accumulator value\n * and the element itself, and calculates the next accumulator\n value.\n * \n * @sample
```

samples.collections.Collections.Aggregates.runningFold

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>\nUIntArray.runningFoldIndexed(initial: R, operation: (index: Int, acc: R, UInt) -> R): List<R> {\n    if (isEmpty())\n    return listOf(initial)\n    val result = ArrayList<R>(size + 1).apply { add(initial) }\n    var accumulator = initial\n    for (index in indices) {\n        accumulator = operation(index, accumulator, this[index])\n        result.add(accumulator)\n    }\n    return result\n}\n\n/**\n * Returns a list containing successive accumulation\n values generated by applying [operation] from left to right\n * to each element, its index in the original array and\n current accumulator value that starts with [initial] value.\n * \n * Note that `acc` value passed to [operation] function
```



[operation] from left to right  
\* to each element and current accumulator value that starts with the first element of this array.  
\* Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting list.  
\* @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.  
\* @sample

`samples.collections.Collections.Aggregates.runningReduce`

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UByteArray.runningReduce(operation: (acc: UByte, UByte) -> UByte): List<UByte> {\n    if (isEmpty()) return  
    emptyList()\n    var accumulator = this[0]\n    val result = ArrayList<UByte>(size).apply { add(accumulator) }\n    for (index in 1 until size) {\n        accumulator = operation(accumulator, this[index])\n        result.add(accumulator)\n    }\n    return result\n}
```

\* Returns a list containing successive accumulation values generated by applying [operation] from left to right  
\* to each element and current accumulator value that starts with the first element of this array.  
\* Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting list.  
\* @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.  
\* @sample

`samples.collections.Collections.Aggregates.runningReduce`

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UShortArray.runningReduce(operation: (acc: UShort, UShort) -> UShort): List<UShort> {\n    if (isEmpty()) return  
    emptyList()\n    var accumulator = this[0]\n    val result = ArrayList<UShort>(size).apply { add(accumulator) }\n    for (index in 1 until size) {\n        accumulator = operation(accumulator, this[index])\n        result.add(accumulator)\n    }\n    return result\n}
```

\* Returns a list containing successive accumulation values generated by applying [operation] from left to right  
\* to each element, its index in the original array and current accumulator value that starts with the first element of this array.  
\* Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting list.  
\* @param [operation] function that takes the index of an element, current accumulator value  
\* and the element itself, and calculates the next accumulator value.  
\* @sample

`samples.collections.Collections.Aggregates.runningReduce`

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UIntArray.runningReduceIndexed(operation: (index: Int, acc: UInt, UInt) -> UInt): List<UInt> {\n    if (isEmpty())  
    return emptyList()\n    var accumulator = this[0]\n    val result = ArrayList<UInt>(size).apply { add(accumulator) }\n    for (index in 1 until size) {\n        accumulator = operation(index, accumulator, this[index])\n        result.add(accumulator)\n    }\n    return result\n}
```

\* Returns a list containing successive accumulation values generated by applying [operation] from left to right  
\* to each element, its index in the original array and current accumulator value that starts with the first element of this array.  
\* Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting list.  
\* @param [operation] function that takes the index of an element, current accumulator value  
\* and the element itself, and calculates the next accumulator value.  
\* @sample

`samples.collections.Collections.Aggregates.runningReduce`

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
ULongArray.runningReduceIndexed(operation: (index: Int, acc: ULong, ULong) -> ULong): List<ULong> {\n    if  
    (isEmpty()) return emptyList()\n    var accumulator = this[0]\n    val result = ArrayList<ULong>(size).apply {  
    add(accumulator) }\n    for (index in 1 until size) {\n        accumulator = operation(index, accumulator, this[index])\n        result.add(accumulator)\n    }\n    return result\n}
```

\* Returns a list containing successive accumulation values generated by applying [operation] from left to right  
\* to each element, its index in the original array and current accumulator value that starts with the first element of this array.  
\* Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting list.  
\* @param [operation] function that takes the index of an element, current accumulator value  
\* and the element itself, and calculates the next accumulator value.  
\* @sample

`samples.collections.Collections.Aggregates.runningReduce`

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
```

```

UByteArray.runningReduceIndexed(operation: (index: Int, acc: UByte, UByte) -> UByte): List<UByte> {
    if (isEmpty()) return emptyList()
    var accumulator = this[0]
    val result = ArrayList<UByte>(size).apply {
        add(accumulator)
    }
    for (index in 1 until size) {
        accumulator = operation(index, accumulator, this[index])
        result.add(accumulator)
    }
    return result
}

/**
 * Returns a list containing successive accumulation values generated by applying [operation] from left to right to each element, its index in the original array and current accumulator value that starts with the first element of this array.
 * Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting list.
 * @param [operation] function that takes the index of an element, current accumulator value and the element itself, and calculates the next accumulator value.
 * @sample
samples.collections.Collections.Aggregates.runningReduce
*/
@SinceKotlin("1.4")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun
UShortArray.runningReduceIndexed(operation: (index: Int, acc: UShort, UShort) -> UShort): List<UShort> {
    if (isEmpty()) return emptyList()
    var accumulator = this[0]
    val result = ArrayList<UShort>(size).apply {
        add(accumulator)
    }
    for (index in 1 until size) {
        accumulator = operation(index, accumulator, this[index])
        result.add(accumulator)
    }
    return result
}

/**
 * Returns a list containing successive accumulation values generated by applying [operation] from left to right to each element and current accumulator value that starts with [initial] value.
 * Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting list.
 * @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.
 * @sample
samples.collections.Collections.Aggregates.scan
*/
@SinceKotlin("1.4")
@ExperimentalUnsignedTypes
@WasExperimental(ExperimentalStdlibApi::class)
@kotlin.internal.InlineOnly
public inline fun <R> UIntArray.scan(initial: R, operation: (acc: R, UInt) -> R): List<R> {
    return runningFold(initial, operation)
}

/**
 * Returns a list containing successive accumulation values generated by applying [operation] from left to right to each element and current accumulator value that starts with [initial] value.
 * Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting list.
 * @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.
 * @sample
samples.collections.Collections.Aggregates.scan
*/
@SinceKotlin("1.4")
@ExperimentalUnsignedTypes
@WasExperimental(ExperimentalStdlibApi::class)
@kotlin.internal.InlineOnly
public inline fun <R> ULongArray.scan(initial: R, operation: (acc: R, ULong) -> R): List<R> {
    return runningFold(initial, operation)
}

/**
 * Returns a list containing successive accumulation values generated by applying [operation] from left to right to each element and current accumulator value that starts with [initial] value.
 * Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting list.
 * @param [operation] function that takes current accumulator value and an element, and calculates the next accumulator value.
 * @sample
samples.collections.Collections.Aggregates.scan
*/
@SinceKotlin("1.4")
@ExperimentalUnsignedTypes
@WasExperimental(ExperimentalStdlibApi::class)
@kotlin.internal.InlineOnly
public inline fun <R> UByteArray.scan(initial: R, operation: (acc: R, UByte) -> R): List<R> {
    return runningFold(initial, operation)
}

/**
 * Returns a list containing successive accumulation values generated by applying [operation] from left to right to each element, its index in the original array and

```

current accumulator value that starts with [initial] value.

\* Note that `acc` value passed to [operation] function should not be mutated; otherwise it would affect the previous value in resulting list.

\* @param [operation] function that takes the index of an element, current accumulator value and the element itself, and calculates the next accumulator value.

@sample samples.collections.Collections.Aggregates.scan

```
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> UIntArray.scanIndexed(initial: R, operation: (index: Int, acc: R, UInt) -> R): List<R> {\n    return runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each element, its index in the original array and current accumulator value that starts with [initial] value.\n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * @param [operation] function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the next accumulator value.\n * @sample samples.collections.Collections.Aggregates.scan\n */\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> ULongArray.scanIndexed(initial: R, operation: (index: Int, acc: R, ULong) -> R): List<R> {\n    return runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each element, its index in the original array and current accumulator value that starts with [initial] value.\n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * @param [operation] function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the next accumulator value.\n * @sample samples.collections.Collections.Aggregates.scan\n */\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> UByteArray.scanIndexed(initial: R, operation: (index: Int, acc: R, UByte) -> R): List<R> {\n    return runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns a list containing successive accumulation values generated by applying [operation] from left to right\n * to each element, its index in the original array and current accumulator value that starts with [initial] value.\n * Note that `acc` value passed to [operation] function should not be mutated;\n * otherwise it would affect the previous value in resulting list.\n * @param [operation] function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the next accumulator value.\n * @sample samples.collections.Collections.Aggregates.scan\n */\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun <R> UShortArray.scanIndexed(initial: R, operation: (index: Int, acc: R, UShort) -> R): List<R> {\n    return runningFoldIndexed(initial, operation)\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the array.\n * @Deprecated("Use sumOf instead.", ReplaceWith("this.sumOf(selector)"))\n * @DeprecatedSinceKotlin(warningSince = "1.5")\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UIntArray.sumBy(selector: (UInt) -> UInt): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the array.\n * @Deprecated("Use sumOf instead.", ReplaceWith("this.sumOf(selector)"))\n * @DeprecatedSinceKotlin(warningSince = "1.5")\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun ULongArray.sumBy(selector: (ULong) -> UInt): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the array.\n * @Deprecated("Use sumOf instead.", ReplaceWith("this.sumOf(selector)"))\n * @DeprecatedSinceKotlin(warningSince = "1.5")\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UByteArray.sumBy(selector: (UByte) -> UInt): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum
```

```

+= selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector]
function applied to each element in the array.\n */\n@Deprecated("Use sumOf instead.\",
ReplaceWith("this.sumOf(selector)\")\n)\n@DeprecatedSinceKotlin(warningSince =
"1.5")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.sumBy(selector: (UShort) -> UInt): UInt {\n    var sum: UInt = 0\n    for (element in this) {\n
sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector]
function applied to each element in the array.\n */\n@Deprecated("Use sumOf instead.\",
ReplaceWith("this.sumOf(selector)\")\n)\n@DeprecatedSinceKotlin(warningSince =
"1.5")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.sumByDouble(selector: (UInt) -> Double): Double {\n    var sum: Double = 0.0\n    for (element in this)
{\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n */\n@Deprecated("Use sumOf instead.\",
ReplaceWith("this.sumOf(selector)\")\n)\n@DeprecatedSinceKotlin(warningSince =
"1.5")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.sumByDouble(selector: (ULong) -> Double): Double {\n    var sum: Double = 0.0\n    for (element in
this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n */\n@Deprecated("Use sumOf instead.\",
ReplaceWith("this.sumOf(selector)\")\n)\n@DeprecatedSinceKotlin(warningSince =
"1.5")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.sumByDouble(selector: (UByte) -> Double): Double {\n    var sum: Double = 0.0\n    for (element in
this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n */\n@Deprecated("Use sumOf instead.\",
ReplaceWith("this.sumOf(selector)\")\n)\n@DeprecatedSinceKotlin(warningSince =
"1.5")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.sumByDouble(selector: (UShort) -> Double): Double {\n    var sum: Double = 0.0\n    for (element in
this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfDouble")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.sumOf(selector:
(UInt) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element in this) {\n        sum +=
selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function
applied to each element in the array.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfDouble")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.sumOf(selector:
(ULong) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element in this) {\n        sum +=
selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function
applied to each element in the array.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfDouble")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.sumOf(selector:
(UByte) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element in this) {\n        sum +=
selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function
applied to each element in the array.\n */\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfDouble")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.sumOf(selector:

```

```

(UShort) -> Double): Double {\n    var sum: Double = 0.toDouble()\n    for (element in this) {\n        sum +=
selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function
applied to each element in the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfInt")\n
@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UIntArray.sumOf(selector: (UInt) -
> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum += selector(element)\n    }\n    return
sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the
array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfInt")\n
@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun ULongArray.sumOf(selector:
(ULong) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum += selector(element)\n    }\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in
the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfInt")\n
@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UByteArray.sumOf(selector:
(UByte) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum += selector(element)\n    }\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in
the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfInt")\n
@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UShortArray.sumOf(selector:
(UShort) -> Int): Int {\n    var sum: Int = 0.toInt()\n    for (element in this) {\n        sum += selector(element)\n    }\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in
the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfLong")
\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UIntArray.sumOf(selector: (UInt)
-> Long): Long {\n    var sum: Long = 0.toLong()\n    for (element in this) {\n        sum += selector(element)\n    }\n
return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in
the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfLong")
\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun ULongArray.sumOf(selector:
(ULong) -> Long): Long {\n    var sum: Long = 0.toLong()\n    for (element in this) {\n        sum +=
selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function
applied to each element in the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfLong")
\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UByteArray.sumOf(selector:
(UByte) -> Long): Long {\n    var sum: Long = 0.toLong()\n    for (element in this) {\n        sum +=
selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function
applied to each element in the array.\n
*\n@SinceKotlin("1.4")\n@OptIn(kotlin.experimental.ExperimentalTypeInference::class)\n@OverloadResolution
ByLambdaReturnType\n@Suppress("INAPPLICABLE_JVM_NAME")\n@kotlin.jvm.JvmName("sumOfLong")
\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UShortArray.sumOf(selector:

```

```

(UShort) -> Long): Long {
    var sum: Long = 0.toLong()
    for (element in this) {
        sum +=
selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values produced by [selector] function
applied to each element in the array.
*/
@SinceKotlin("1.5")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@Suppress("INAPPLICABLE_JVM_NAME")
kotlin.jvm.JvmName("sumOfUInt")
@ExperimentalUnsignedTypes
@WasExperimental(ExperimentalUnsignedTypes::class)
kotlin.internal.Inline
Only
public inline fun UIntArray.sumOf(selector: (UInt) -> UInt): UInt {
    var sum: UInt = 0.toUInt()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all values
produced by [selector] function applied to each element in the array.
*/
@SinceKotlin("1.5")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@Suppress("INAPPLICABLE_JVM_NAME")
kotlin.jvm.JvmName("sumOfUInt")
@ExperimentalUnsignedTypes
@WasExperimental(ExperimentalUnsignedTypes::class)
kotlin.internal.Inline
Only
public inline fun ULongArray.sumOf(selector: (ULong) -> UInt): UInt {
    var sum: UInt = 0.toUInt()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all
values produced by [selector] function applied to each element in the array.
*/
@SinceKotlin("1.5")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@Suppress("INAPPLICABLE_JVM_NAME")
kotlin.jvm.JvmName("sumOfUInt")
@ExperimentalUnsignedTypes
@WasExperimental(ExperimentalUnsignedTypes::class)
kotlin.internal.Inline
Only
public inline fun UByteArray.sumOf(selector: (UByte) -> UInt): UInt {
    var sum: UInt = 0.toUInt()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all
values produced by [selector] function applied to each element in the array.
*/
@SinceKotlin("1.5")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@Suppress("INAPPLICABLE_JVM_NAME")
kotlin.jvm.JvmName("sumOfUInt")
@ExperimentalUnsignedTypes
@WasExperimental(ExperimentalUnsignedTypes::class)
kotlin.internal.Inline
Only
public inline fun UShortArray.sumOf(selector: (UShort) -> UInt): UInt {
    var sum: UInt = 0.toUInt()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns the sum of all
values produced by [selector] function applied to each element in the array.
*/
@SinceKotlin("1.5")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@Suppress("INAPPLICABLE_JVM_NAME")
kotlin.jvm.JvmName("sumOfULong")
@ExperimentalUnsignedTypes
@WasExperimental(ExperimentalUnsignedTypes::class)
kotlin.internal.Inline
Only
public inline fun UIntArray.sumOf(selector: (UInt) -> ULong): ULong {
    var sum: ULong =
0.toULong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns
the sum of all values produced by [selector] function applied to each element in the array.
*/
@SinceKotlin("1.5")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@Suppress("INAPPLICABLE_JVM_NAME")
kotlin.jvm.JvmName("sumOfULong")
@ExperimentalUnsignedTypes
@WasExperimental(ExperimentalUnsignedTypes::class)
kotlin.internal.Inline
Only
public inline fun ULongArray.sumOf(selector: (ULong) -> ULong): ULong {
    var sum: ULong =
0.toULong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns
the sum of all values produced by [selector] function applied to each element in the array.
*/
@SinceKotlin("1.5")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@Suppress("INAPPLICABLE_JVM_NAME")
kotlin.jvm.JvmName("sumOfULong")
@ExperimentalUnsignedTypes
@WasExperimental(ExperimentalUnsignedTypes::class)
kotlin.internal.Inline
Only
public inline fun UByteArray.sumOf(selector: (UByte) -> ULong): ULong {
    var sum: ULong =
0.toULong()
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/**
 * Returns
the sum of all values produced by [selector] function applied to each element in the array.
*/
@SinceKotlin("1.5")
@OptIn(kotlin.experimental.ExperimentalTypeInference::class)
@OverloadResolution
ByLambdaReturnType
@Suppress("INAPPLICABLE_JVM_NAME")
kotlin.jvm.JvmName("sumOfULong")
@ExperimentalUnsignedTypes
@WasExperimental(ExperimentalUnsignedTypes::class)
kotlin.internal.Inline
Only

```

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neOnly\npublic inline fun UShortArray.sumOf(selector: (UShort) -> ULong): ULong {\n    var sum: ULong =
0.toULong()\n    for (element in this) {\n        sum += selector(element)\n    }\n    return sum\n}\n\n/**\n * Returns a
list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has
length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UIntArray.zip(other: Array<out
R>): List<Pair<UInt, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from
the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> ULongArray.zip(other:
Array<out R>): List<Pair<ULong, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of
pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has
length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UByteArray.zip(other: Array<out
R>): List<Pair<UByte, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built
from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UShortArray.zip(other:
Array<out R>): List<Pair<UShort, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of
values built from the elements of `this` array and the [other] array with the same index\n * using the provided
[transform] function applied to each pair of elements.\n * The returned list has length of the shortest collection.\n *
\n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UIntArray.zip(other: Array<out R>, transform: (a: UInt, b: R) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
ULongArray.zip(other: Array<out R>, transform: (a: ULong, b: R) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UByteArray.zip(other: Array<out R>, transform: (a: UByte, b: R) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UShortArray.zip(other: Array<out R>, transform: (a: UShort, b: R) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
    }\n    return list\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` collection and [other] array with
the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n

```

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UIntArray.zip(other:
Iterable<R>): List<Pair<UInt, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs
built from the elements of `this` collection and [other] array with the same index.\n * The returned list has length of
the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> ULongArray.zip(other:
Iterable<R>): List<Pair<ULong, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs
built from the elements of `this` collection and [other] array with the same index.\n * The returned list has length of
the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UByteArray.zip(other:
Iterable<R>): List<Pair<UByte, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs
built from the elements of `this` collection and [other] array with the same index.\n * The returned list has length of
the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UShortArray.zip(other:
Iterable<R>): List<Pair<UShort, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of
values built from the elements of `this` array and the [other] collection with the same index\n * using the provided
[transform] function applied to each pair of elements.\n * The returned list has length of the shortest collection.\n *
\n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UIntArray.zip(other: Iterable<R>, transform: (a: UInt, b: R) -> V): List<V> {\n    val arraySize = size\n    val list =
ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other) {\n
if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n * Returns a
list of values built from the elements of `this` array and the [other] collection with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
ULongArray.zip(other: Iterable<R>, transform: (a: ULong, b: R) -> V): List<V> {\n    val arraySize = size\n    val
list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other)
{\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n *
Returns a list of values built from the elements of `this` array and the [other] collection with the same index\n *
using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UByteArray.zip(other: Iterable<R>, transform: (a: UByte, b: R) -> V): List<V> {\n    val arraySize = size\n    val list
= ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other) {\n
if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n * Returns a
list of values built from the elements of `this` array and the [other] collection with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UShortArray.zip(other: Iterable<R>, transform: (a: UShort, b: R) -> V): List<V> {\n    val arraySize = size\n    val
list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other)
{\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n *
Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The
returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UIntArray.zip(other: UIntArray):
List<Pair<UInt, UInt>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from
the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest

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collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun ULongArray.zip(other: ULongArray):
List<Pair<ULong, ULong>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built
from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UByteArray.zip(other: UByteArray):
List<Pair<UByte, UByte>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built
from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UShortArray.zip(other: UShortArray):
List<Pair<UShort, UShort>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of values built
from the elements of `this` array and the [other] array with the same index\n * using the provided [transform]
function applied to each pair of elements.\n * The returned list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V>
UIntArray.zip(other: UIntArray, transform: (a: UInt, b: UInt) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V>
ULongArray.zip(other: ULongArray, transform: (a: ULong, b: ULong) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V>
UByteArray.zip(other: UByteArray, transform: (a: UByte, b: UByte) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V>
UShortArray.zip(other: UShortArray, transform: (a: UShort, b: UShort) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
    }\n    return list\n}\n\n/**\n * Returns the sum of all elements in the array.\n
*\n@kotlin.jvm.JvmName("sumOfUInt")\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedT
ypes::class)\npublic fun Array<out UInt>.sum(): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum
+= element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the array.\n
*\n@kotlin.jvm.JvmName("sumOfULong")\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsigned
Types::class)\npublic fun Array<out ULong>.sum(): ULong {\n    var sum: ULong = 0uL\n    for (element in this)
{\n        sum += element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the array.\n
*\n@kotlin.jvm.JvmName("sumOfUByte")\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsigned
Types::class)\npublic fun Array<out UByte>.sum(): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n
sum += element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the array.\n

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*\/n@kotlin.jvm.JvmName("\sumOfUShort")\/n@SinceKotlin("1.5")\/n@WasExperimental(ExperimentalUnsigned
Types::class)\/npublic fun Array<out UShort>.sum(): UInt {\/n  var sum: UInt = 0u\/n  for (element in this) {\/n
sum += element\/n  }\/n  return sum\/n}\/n\/n**\/n * Returns the sum of all elements in the array.\/n
*\/n@SinceKotlin("1.3")\/n@ExperimentalUnsignedTypes\/n@kotlin.internal.InlineOnly\/npublic inline fun
UIntArray.sum(): UInt {\/n  return storage.sum().toUInt()\/n}\/n\/n**\/n * Returns the sum of all elements in the
array.\/n *\/n@SinceKotlin("1.3")\/n@ExperimentalUnsignedTypes\/n@kotlin.internal.InlineOnly\/npublic inline fun
ULongArray.sum(): ULong {\/n  return storage.sum().toULong()\/n}\/n\/n**\/n * Returns the sum of all elements in
the array.\/n *\/n@SinceKotlin("1.3")\/n@ExperimentalUnsignedTypes\/n@kotlin.internal.InlineOnly\/npublic inline
fun UByteArray.sum(): UInt {\/n  return sumOf { it.toUInt() }\/n}\/n\/n**\/n * Returns the sum of all elements in the
array.\/n *\/n@SinceKotlin("1.3")\/n@ExperimentalUnsignedTypes\/n@kotlin.internal.InlineOnly\/npublic inline fun
UShortArray.sum(): UInt {\/n  return sumOf { it.toUInt() }\/n}\/n\/n", "*/n * Copyright 2010-2021 JetBrains s.r.o. and
Kotlin Programming Language contributors.\/n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\/n
*\/n\/n@file:kotlin.jvm.JvmMultifileClass\/n@file:kotlin.jvm.JvmName("UCollectionsKt")\/n\/npackage
kotlin.collections\/n\/n\/n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\/n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\/n\/nimport kotlin.random.*\/nimport
kotlin.ranges.contains\/nimport kotlin.ranges.reversed\/n\/n**\/n * Returns an array of UByte containing all of the
elements of this collection.\/n *\/n@SinceKotlin("1.3")\/n@ExperimentalUnsignedTypes\/npublic fun
Collection<UByte>.toUByteArray(): UByteArray {\/n  val result = UByteArray(size)\/n  var index = 0\/n  for
(element in this)\/n    result[index++] = element\/n  return result\/n}\/n\/n**\/n * Returns an array of UInt containing
all of the elements of this collection.\/n *\/n@SinceKotlin("1.3")\/n@ExperimentalUnsignedTypes\/npublic fun
Collection<UInt>.toUIntArray(): UIntArray {\/n  val result = UIntArray(size)\/n  var index = 0\/n  for (element in
this)\/n    result[index++] = element\/n  return result\/n}\/n\/n**\/n * Returns an array of ULong containing all of the
elements of this collection.\/n *\/n@SinceKotlin("1.3")\/n@ExperimentalUnsignedTypes\/npublic fun
Collection<ULong>.toULongArray(): ULongArray {\/n  val result = ULongArray(size)\/n  var index = 0\/n  for
(element in this)\/n    result[index++] = element\/n  return result\/n}\/n\/n**\/n * Returns an array of UShort
containing all of the elements of this collection.\/n
*\/n@SinceKotlin("1.3")\/n@ExperimentalUnsignedTypes\/npublic fun Collection<UShort>.toUShortArray():
UShortArray {\/n  val result = UShortArray(size)\/n  var index = 0\/n  for (element in this)\/n    result[index++] =
element\/n  return result\/n}\/n\/n**\/n * Returns the sum of all elements in the collection.\/n
*\/n@kotlin.jvm.JvmName("\sumOfUInt")\/n@SinceKotlin("1.5")\/n@WasExperimental(ExperimentalUnsignedT
ypes::class)\/npublic fun Iterable<UInt>.sum(): UInt {\/n  var sum: UInt = 0u\/n  for (element in this) {\/n  sum
+= element\/n  }\/n  return sum\/n}\/n\/n**\/n * Returns the sum of all elements in the collection.\/n
*\/n@kotlin.jvm.JvmName("\sumOfULong")\/n@SinceKotlin("1.5")\/n@WasExperimental(ExperimentalUnsigned
Types::class)\/npublic fun Iterable<ULong>.sum(): ULong {\/n  var sum: ULong = 0uL\/n  for (element in this) {\/n
sum += element\/n  }\/n  return sum\/n}\/n\/n**\/n * Returns the sum of all elements in the collection.\/n
*\/n@kotlin.jvm.JvmName("\sumOfUByte")\/n@SinceKotlin("1.5")\/n@WasExperimental(ExperimentalUnsigned
Types::class)\/npublic fun Iterable<UByte>.sum(): UInt {\/n  var sum: UInt = 0u\/n  for (element in this) {\/n
sum += element\/n  }\/n  return sum\/n}\/n\/n**\/n * Returns the sum of all elements in the collection.\/n
*\/n@kotlin.jvm.JvmName("\sumOfUShort")\/n@SinceKotlin("1.5")\/n@WasExperimental(ExperimentalUnsigned
Types::class)\/npublic fun Iterable<UShort>.sum(): UInt {\/n  var sum: UInt = 0u\/n  for (element in this) {\/n
sum += element\/n  }\/n  return sum\/n}\/n\/n", "*/n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming
Language contributors.\/n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\/n
*\/n\/n@file:kotlin.jvm.JvmMultifileClass\/n@file:kotlin.jvm.JvmName("UComparisonsKt")\/n\/npackage
kotlin.comparisons\/n\/n\/n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\/n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\/n\/nimport kotlin.random.*\/n\/n**\/n * Returns the
greater of two values.\/n

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*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun maxOf(a: UInt, b:
UInt): UInt {\n    return if (a >= b) a else b\n}\n\n/**\n * Returns the greater of two values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun maxOf(a: ULong,
b: ULong): ULong {\n    return if (a >= b) a else b\n}\n\n/**\n * Returns the greater of two values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun maxOf(a: UByte,
b: UByte): UByte {\n    return if (a >= b) a else b\n}\n\n/**\n * Returns the greater of two values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun maxOf(a: UShort,
b: UShort): UShort {\n    return if (a >= b) a else b\n}\n\n/**\n * Returns the greater of three values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\
npublic inline fun maxOf(a: UInt, b: UInt, c: UInt): UInt {\n    return maxOf(a, maxOf(b, c))\n}\n\n/**\n * Returns
the greater of three values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\
npublic inline fun maxOf(a: ULong, b: ULong, c: ULong): ULong {\n    return maxOf(a, maxOf(b, c))\n}\n\n/**\n *
Returns the greater of three values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\
npublic inline fun maxOf(a: UByte, b: UByte, c: UByte): UByte {\n    return maxOf(a, maxOf(b, c))\n}\n\n/**\n *
Returns the greater of three values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\
npublic inline fun maxOf(a: UShort, b: UShort, c: UShort): UShort {\n    return maxOf(a, maxOf(b, c))\n}\n\n/**\n
* Returns the greater of the given values.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun
maxOf(a: UInt, vararg other: UInt): UInt {\n    var max = a\n    for (e in other) max = maxOf(max, e)\n    return
max\n}\n\n/**\n * Returns the greater of the given values.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun
maxOf(a: ULong, vararg other: ULong):
ULong {\n    var max = a\n    for (e in other) max = maxOf(max, e)\n    return max\n}\n\n/**\n * Returns the greater
of the given values.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun
maxOf(a: UByte,
vararg other: UByte): UByte {\n    var max = a\n    for (e in other) max = maxOf(max, e)\n    return max\n}\n\n/**\n
* Returns the greater of the given values.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun
maxOf(a: UShort, vararg other: UShort): UShort {\n    var max = a\n    for (e in other) max = maxOf(max, e)\n
return max\n}\n\n/**\n * Returns the smaller of two values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun minOf(a: UInt, b:
UInt): UInt {\n    return if (a <= b) a else b\n}\n\n/**\n * Returns the smaller of two values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun minOf(a: ULong,
b: ULong): ULong {\n    return if (a <= b) a else b\n}\n\n/**\n * Returns the smaller of two values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun minOf(a: UByte,
b: UByte): UByte {\n    return if (a <= b) a else b\n}\n\n/**\n * Returns the smaller of two values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun minOf(a: UShort,
b: UShort): UShort {\n    return if (a <= b) a else b\n}\n\n/**\n * Returns the smaller of three values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\
npublic inline fun minOf(a: UInt, b: UInt, c: UInt): UInt {\n    return minOf(a, minOf(b, c))\n}\n\n/**\n * Returns
the smaller of three values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\
npublic inline fun minOf(a: ULong, b: ULong, c: ULong): ULong {\n    return minOf(a, minOf(b, c))\n}\n\n/**\n *
Returns the smaller of three values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\
npublic inline fun minOf(a: UByte, b: UByte, c: UByte): UByte {\n    return minOf(a, minOf(b, c))\n}\n\n/**\n *
Returns the smaller of three values.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\
npublic inline fun minOf(a: UShort, b: UShort, c: UShort): UShort {\n    return minOf(a, minOf(b, c))\n}\n\n/**\n
* Returns the smaller of three values.\n

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Returns the smaller of the given values.\n *\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun
minOf(a: UInt, vararg other: UInt): UInt {\n    var min = a\n    for (e in other) min = minOf(min, e)\n    return
min\n}\n\n/**\n * Returns the smaller of the given values.\n
*\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun minOf(a: ULong, vararg other: ULong):
ULong {\n    var min = a\n    for (e in other) min = minOf(min, e)\n    return min\n}\n\n/**\n * Returns the smaller
of the given values.\n *\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun minOf(a: UByte,
vararg other: UByte): UByte {\n    var min = a\n    for (e in other) min = minOf(min, e)\n    return min\n}\n\n/**\n
* Returns the smaller of the given values.\n *\n@SinceKotlin("1.4")\n@ExperimentalUnsignedTypes\npublic fun
minOf(a: UShort, vararg other: UShort): UShort {\n    var min = a\n    for (e in other) min = minOf(min, e)\n
return min\n}\n\n"/\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n *
Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("URangesKt")\n\npackage
kotlin.ranges\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\n\n/**\n * Returns a
random element from this range.\n * \n * @throws IllegalArgumentException if this range is empty.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\n
public inline fun UIntRange.random(): UInt {\n    return random(Random)\n}\n\n/**\n * Returns a random element
from this range.\n * \n * @throws IllegalArgumentException if this range is empty.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\n
public inline fun ULongRange.random(): ULong {\n    return random(Random)\n}\n\n/**\n * Returns a random
element from this range using the specified source of randomness.\n * \n * @throws IllegalArgumentException if
this range is empty.\n *\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic
fun UIntRange.random(random: Random): UInt {\n    try {\n        return random.nextUInt(this)\n    } catch(e:
IllegalArgumentException) {\n        throw NoSuchElementException(e.message)\n    }\n}\n\n/**\n * Returns a
random element from this range using the specified source of randomness.\n * \n * @throws
IllegalArgumentException if this range is empty.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
ULongRange.random(random: Random): ULong {\n    try {\n        return random.nextULong(this)\n    } catch(e:
IllegalArgumentException) {\n        throw NoSuchElementException(e.message)\n    }\n}\n\n/**\n * Returns a
random element from this range, or `null` if this range is empty.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalStdlibApi::class,
ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline fun UIntRange.randomOrNull():
UInt? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a random element from this range, or `null` if this
range is empty.\n *\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalStdlibApi::class,
ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline fun ULongRange.randomOrNull():
ULong? {\n    return randomOrNull(Random)\n}\n\n/**\n * Returns a random element from this range using the
specified source of randomness, or `null` if this range is empty.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalStdlibApi::class,
ExperimentalUnsignedTypes::class)\npublic fun UIntRange.randomOrNull(random: Random): UInt? {\n    if
(isEmpty())\n        return null\n    return random.nextUInt(this)\n}\n\n/**\n * Returns a random element from this
range using the specified source of randomness, or `null` if this range is empty.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalStdlibApi::class,
ExperimentalUnsignedTypes::class)\npublic fun ULongRange.randomOrNull(random: Random): ULong? {\n    if
(isEmpty())\n        return null\n    return random.nextULong(this)\n}\n\n/**\n * Returns `true` if this range contains
the specified [element].\n * \n * Always returns `false` if the [element] is `null`.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\n
public inline operator fun UIntRange.contains(element: UInt?): Boolean {\n    return element != null &&
contains(element)\n}\n\n/**\n * Returns `true` if this range contains the specified [element].\n * \n * Always returns

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`false` if the [element] is `null`.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline operator fun ULongRange.contains(element: ULong?): Boolean {\n    return element != null &&\n    contains(element)\n}\n\n/**\n * Checks if the specified [value] belongs to this range.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic operator fun\nUIntRange.contains(value: UByte): Boolean {\n    return contains(value.toUInt())\n}\n\n/**\n * Checks if the\nspecified [value] belongs to this range.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic operator fun\nULongRange.contains(value: UByte): Boolean {\n    return contains(value.toULong())\n}\n\n/**\n * Checks if the\nspecified [value] belongs to this range.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic operator fun\nULongRange.contains(value: UInt): Boolean {\n    return contains(value.toULong())\n}\n\n/**\n * Checks if the\nspecified [value] belongs to this range.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic operator fun\nUIntRange.contains(value: ULong): Boolean {\n    return (value shr UInt.SIZE_BITS) == 0uL &&\n    contains(value.toUInt())\n}\n\n/**\n * Checks if the specified [value] belongs to this range.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic operator fun\nUIntRange.contains(value: UShort): Boolean {\n    return contains(value.toUInt())\n}\n\n/**\n * Checks if the\nspecified [value] belongs to this range.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic operator fun\nULongRange.contains(value: UShort): Boolean {\n    return contains(value.toULong())\n}\n\n/**\n * Returns a\nprogression from this value down to the specified [to] value with the step -1.\n * \n * The [to] value should be less\nthan or equal to `this` value.\n * If the [to] value is greater than `this` value the returned progression is empty.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic infix fun\nUByte.downTo(to: UByte): UIntProgression {\n    return UIntProgression.fromClosedRange(this.toUInt(),\nto.toUInt(), -1)\n}\n\n/**\n * Returns a progression from this value down to the specified [to] value with the step -\n1.\n * \n * The [to] value should be less than or equal to `this` value.\n * If the [to] value is greater than `this` value\nthe returned progression is empty.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic infix fun\nUInt.downTo(to: UInt): UIntProgression {\n    return UIntProgression.fromClosedRange(this, to, -1)\n}\n\n/**\n * Returns a progression from this value down to the specified [to] value with the step -1.\n * \n * The [to] value should\nbe less than or equal to `this` value.\n * If the [to] value is greater than `this` value the returned progression is\nempty.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic infix fun\nULong.downTo(to: ULong): ULongProgression {\n    return ULongProgression.fromClosedRange(this, to, -\n1L)\n}\n\n/**\n * Returns a progression from this value down to the specified [to] value with the step -1.\n * \n * The [to] value\nshould be less than or equal to `this` value.\n * If the [to] value is greater than `this` value the\nreturned progression is empty.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic infix fun\nUShort.downTo(to: UShort): UIntProgression {\n    return UIntProgression.fromClosedRange(this.toUInt(),\nto.toUInt(), -1)\n}\n\n/**\n * Returns a progression that goes over the same range in the opposite direction with the\nsame step.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun\nUIntProgression.reversed(): UIntProgression {\n    return UIntProgression.fromClosedRange(last, first, -\nstep)\n}\n\n/**\n * Returns a progression that goes over the same range in the opposite direction with the same\nstep.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun\nULongProgression.reversed(): ULongProgression {\n    return ULongProgression.fromClosedRange(last, first, -\nstep)\n}\n\n/**\n * Returns a progression that goes over the same range with the given step.
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic infix fun\nUIntProgression.step(step: Int): UIntProgression {\n    checkStepIsPositive(step > 0, step)\n    return

```

```

UIntProgression.fromClosedRange(first, last, if (this.step > 0) step else -step)\n\n/**\n * Returns a progression
that goes over the same range with the given step.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic infix fun
ULongProgression.step(step: Long): ULongProgression {\n  checkStepIsPositive(step > 0, step)\n  return
ULongProgression.fromClosedRange(first, last, if (this.step > 0) step else -step)\n\n/**\n * Returns a range from
this value up to but excluding the specified [to] value.\n * \n * If the [to] value is less than or equal to `this` value,
then the returned range is empty.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic infix fun
UByte.until(to: UByte): UIntRange {\n  if (to <= UByte.MIN_VALUE) return UIntRange.EMPTY\n  return
this.toUInt() .. (to - 1u).toUInt()\n\n/**\n * Returns a range from this value up to but excluding the specified [to]
value.\n * \n * If the [to] value is less than or equal to `this` value, then the returned range is empty.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic infix fun UInt.until(to:
UInt): UIntRange {\n  if (to <= UInt.MIN_VALUE) return UIntRange.EMPTY\n  return this .. (to -
1u).toUInt()\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n * \n * If the
[to] value is less than or equal to `this` value, then the returned range is empty.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic infix fun
ULong.until(to: ULong): ULongRange {\n  if (to <= ULong.MIN_VALUE) return ULongRange.EMPTY\n
return this .. (to - 1u).toULong()\n\n/**\n * Returns a range from this value up to but excluding the specified [to]
value.\n * \n * If the [to] value is less than or equal to `this` value, then the returned range is empty.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic infix fun
UShort.until(to: UShort): UIntRange {\n  if (to <= UShort.MIN_VALUE) return UIntRange.EMPTY\n  return
this.toUInt() .. (to - 1u).toUInt()\n\n/**\n * Ensures that this value is not less than the specified
[minimumValue].\n * \n * @return this value if it's greater than or equal to the [minimumValue] or the
[minimumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtLeastUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
UInt.coerceAtLeast(minimumValue: UInt): UInt {\n  return if (this < minimumValue) minimumValue else
this\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return this value
if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtLeastUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
ULong.coerceAtLeast(minimumValue: ULong): ULong {\n  return if (this < minimumValue) minimumValue else
this\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return this value
if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtLeastUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
UByte.coerceAtLeast(minimumValue: UByte): UByte {\n  return if (this < minimumValue) minimumValue else
this\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return this value
if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtLeastUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
UShort.coerceAtLeast(minimumValue: UShort): UShort {\n  return if (this < minimumValue) minimumValue else
this\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this
value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMostUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
UInt.coerceAtMost(maximumValue: UInt): UInt {\n  return if (this > maximumValue) maximumValue else
this\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this
value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample

```

```

samples.comparisons.ComparableOps.coerceAtMostUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
ULong.coerceAtMost(maximumValue: ULong): ULong {\n    return if (this > maximumValue) maximumValue else
this\n}\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this
value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMostUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
UByte.coerceAtMost(maximumValue: UByte): UByte {\n    return if (this > maximumValue) maximumValue else
this\n}\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this
value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMostUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
UShort.coerceAtMost(maximumValue: UShort): UShort {\n    return if (this > maximumValue) maximumValue
else this\n}\n\n/**\n * Ensures that this value lies in the specified range [minimumValue]..[maximumValue].\n * \n
* @return this value if it's in the range, or [minimumValue] if this value is less than [minimumValue], or
[maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
UInt.coerceIn(minimumValue: UInt, maximumValue: UInt): UInt {\n    if (minimumValue > maximumValue)
throw IllegalArgumentException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n    if (this > maximumValue)
return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
ULong.coerceIn(minimumValue: ULong, maximumValue: ULong): ULong {\n    if (minimumValue >
maximumValue) throw IllegalArgumentException("Cannot coerce value to an empty range: maximum
$maximumValue is less than minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n
if (this > maximumValue) return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the
specified range [minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or
[minimumValue] if this value is less than [minimumValue], or [maximumValue] if this value is greater than
[maximumValue].\n * \n * @sample samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
UByte.coerceIn(minimumValue: UByte, maximumValue: UByte): UByte {\n    if (minimumValue >
maximumValue) throw IllegalArgumentException("Cannot coerce value to an empty range: maximum
$maximumValue is less than minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n
if (this > maximumValue) return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the
specified range [minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or
[minimumValue] if this value is less than [minimumValue], or [maximumValue] if this value is greater than
[maximumValue].\n * \n * @sample samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
UShort.coerceIn(minimumValue: UShort, maximumValue: UShort): UShort {\n    if (minimumValue >
maximumValue) throw IllegalArgumentException("Cannot coerce value to an empty range: maximum
$maximumValue is less than minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n
if (this > maximumValue) return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the
specified [range].\n * \n * @return this value if it's in the [range], or `range.start` if this value is less than
`range.start`, or `range.endInclusive` if this value is greater than `range.endInclusive`.\n * \n * @sample

```

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samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
UInt.coerceIn(range: ClosedRange<UInt>): UInt {\n    if (range is ClosedFloatingPointRange) {\n        return
this.coerceIn<UInt>(range)\n    }\n    if (range.isEmpty()) throw IllegalArgumentException("Cannot coerce value to
an empty range: $range.")\n    return when {\n        this < range.start -> range.start\n        this > range.endInclusive -
> range.endInclusive\n        else -> this\n    }\n}\n\n/**\n * Ensures that this value lies in the specified [range].\n * \n * @return this value if it's in the [range], or `range.start` if this value is less than `range.start`, or
`range.endInclusive` if this value is greater than `range.endInclusive`.\n * \n * @sample
samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
ULong.coerceIn(range: ClosedRange<ULong>): ULong {\n    if (range is ClosedFloatingPointRange) {\n        return
this.coerceIn<ULong>(range)\n    }\n    if (range.isEmpty()) throw IllegalArgumentException("Cannot coerce value
to an empty range: $range.")\n    return when {\n        this < range.start -> range.start\n        this >
range.endInclusive -> range.endInclusive\n        else -> this\n    }\n}\n\n"/*\n * Copyright 2010-2021 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("USequencesKt")\n\npackage
kotlin.sequences\n\n/\n NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\n\n/**\n * Returns the
sum of all elements in the sequence.\n * \n * The operation is _terminal_.\n
*\n@kotlin.jvm.JvmName("sumOfUInt")\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedT
ypes::class)\npublic fun Sequence<UInt>.sum(): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum
+= element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the sequence.\n * \n * The
operation is _terminal_.\n
*\n@kotlin.jvm.JvmName("sumOfULong")\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsigned
Types::class)\npublic fun Sequence<ULong>.sum(): ULong {\n    var sum: ULong = 0uL\n    for (element in this)
{\n        sum += element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the sequence.\n * \n *
The operation is _terminal_.\n
*\n@kotlin.jvm.JvmName("sumOfUByte")\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsigned
Types::class)\npublic fun Sequence<UByte>.sum(): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n
sum += element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the sequence.\n * \n * The
operation is _terminal_.\n
*\n@kotlin.jvm.JvmName("sumOfUShort")\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsigned
Types::class)\npublic fun Sequence<UShort>.sum(): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n
sum += element\n    }\n    return sum\n}\n\n"/*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n * \n\npackage kotlin\n\npublic expect open class Error : Throwable {\n
    constructor()\n    constructor(message: String?)\n    constructor(message: String?, cause: Throwable?)\n
    constructor(cause: Throwable?)\n}\n\npublic expect open class Exception : Throwable {\n    constructor()\n
    constructor(message: String?)\n    constructor(message: String?, cause: Throwable?)\n    constructor(cause:
Throwable?)\n}\n\npublic expect open class RuntimeException : Exception {\n    constructor()\n    constructor(message:
String?)\n    constructor(message: String?, cause: Throwable?)\n    constructor(cause: Throwable?)\n}\n\npublic
expect open class IllegalArgumentException : RuntimeException {\n    constructor()\n    constructor(message: String?)\n
    constructor(message: String?, cause: Throwable?)\n    constructor(cause: Throwable?)\n}\n\npublic expect open
class IllegalStateException : RuntimeException {\n    constructor()\n    constructor(message: String?)\n    constructor(message:
String?, cause: Throwable?)\n    constructor(cause: Throwable?)\n}\n\npublic expect open class IndexOutOfBoundsException :
RuntimeException {\n    constructor()\n    constructor(message: String?)\n}\n\npublic expect open class ConcurrentModificationException :

```

```

RuntimeException {\n  constructor()\n  constructor(message: String?)\n  @Deprecated("\The constructor is not
supported on all platforms and will be removed from kotlin-stdlib-common soon.\", level =
DeprecationLevel.ERROR)\n  constructor(message: String?, cause: Throwable?)\n  @Deprecated("\The
constructor is not supported on all platforms and will be removed from kotlin-stdlib-common soon.\", level =
DeprecationLevel.ERROR)\n  constructor(cause: Throwable?)\n}\n\npublic expect open class
UnsupportedOperationException : RuntimeException {\n  constructor()\n  constructor(message: String?)\n
constructor(message: String?, cause: Throwable?)\n  constructor(cause: Throwable?)\n}\n\npublic expect open
class NumberFormatException : IllegalArgumentException {\n  constructor()\n  constructor(message:
String?)\n}\n\npublic expect open class NullPointerException : RuntimeException {\n  constructor()\n
constructor(message: String?)\n}\n\npublic expect open class ClassCastException : RuntimeException {\n
constructor()\n  constructor(message: String?)\n}\n\npublic expect open class AssertionError : Error {\n
constructor()\n  constructor(message: Any?)\n}\n\npublic expect open class NoSuchElementException :
RuntimeException {\n  constructor()\n  constructor(message: String?)\n}\n\n@SinceKotlin("1.3")\npublic
expect open class ArithmeticException : RuntimeException {\n  constructor()\n  constructor(message:
String?)\n}\n\n@Deprecated("\This exception type is not supposed to be thrown or caught in common code and will
be removed from kotlin-stdlib-common soon.\", level = DeprecationLevel.ERROR)\npublic expect open class
NoWhenBranchMatchedException : RuntimeException {\n  constructor()\n  constructor(message: String?)\n
constructor(message: String?, cause: Throwable?)\n  constructor(cause: Throwable?)\n}\n\n@Deprecated("\This
exception type is not supposed to be thrown or caught in common code and will be removed from kotlin-stdlib-
common soon.\", level = DeprecationLevel.ERROR)\npublic expect class UninitializedPropertyAccessException :
RuntimeException {\n  constructor()\n  constructor(message: String?)\n  constructor(message: String?, cause:
Throwable?)\n  constructor(cause: Throwable?)\n}\n\n/**\n * Thrown after invocation of a function or property
that was expected to return `Nothing`, but returned something instead.\n
*\n *\n * @SinceKotlin("1.4")\n * @PublishedApi\n * internal class KotlinNothingValueException : RuntimeException {\n
constructor() : super()\n  constructor(message: String?) : super(message)\n  constructor(message: String?, cause:
Throwable?) : super(message, cause)\n  constructor(cause: Throwable?) : super(cause)\n}\n\n/**\n * Returns the
detailed description of this throwable with its stack trace.\n * \n * The detailed description includes:\n * - the short
description (see [Throwable.toString]) of this throwable;\n * - the complete stack trace;\n * - detailed descriptions of
the exceptions that were [suppressed][suppressedExceptions] in order to deliver this exception;\n * - the detailed
description of each throwable in the [Throwable.cause] chain.\n *\n *\n * @SinceKotlin("1.4")\n * public expect fun
Throwable.stackTraceToString(): String\n\n/**\n * Prints the [detailed description][Throwable.stackTraceToString]
of this throwable to the standard output or standard error output.\n
*\n *\n * @SinceKotlin("1.4")\n * @Suppress("\EXTENSION_SHADOWED_BY_MEMBER")\n * public expect fun
Throwable.printStackTrace(): Unit\n\n/**\n * When supported by the platform, adds the specified exception to the
list of exceptions that were\n * suppressed in order to deliver this exception.\n
*\n *\n * @SinceKotlin("1.4")\n * @Suppress("\EXTENSION_SHADOWED_BY_MEMBER")\n * public expect fun
Throwable.addSuppressed(exception: Throwable)\n\n/**\n * Returns a list of all exceptions that were suppressed in
order to deliver this exception.\n * \n * The list can be empty:\n * - if no exceptions were suppressed;\n * - if the
platform doesn't support suppressed exceptions;\n * - if this [Throwable] instance has disabled the suppression.\n
*\n *\n * @SinceKotlin("1.4")\n * public expect val Throwable.suppressedExceptions: List<Throwable>\n", "/*\n *
Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n *\n * package
kotlin.js\n * import kotlin.annotation.AnnotationTarget.*\n\n/**\n * Gives a declaration (a function, a property or a
class) specific name in JavaScript.\n *\n * @Target(CLASS, FUNCTION, PROPERTY, CONSTRUCTOR,
PROPERTY_GETTER, PROPERTY_SETTER)\n * @OptionalExpectation\n * public expect annotation class
JsName(val name: String)\n\n/**\n * Marks experimental JS export annotations.\n * \n * Note that behavior of these
annotations will likely be changed in the future.\n * \n * Usages of such annotations will be reported as warnings
unless an explicit opt-in with\n * the [OptIn] annotation, e.g. `@OptIn(ExperimentalJsExport::class)`,\n * or with

```

the `-opt-in=kotlin.js.ExperimentalJsExport` compiler option is given.

```

@RequiresOptIn(level = RequiresOptIn.Level.WARNING)
@MustBeDocumented
@Retention(AnnotationRetention.BINARY)
@SinceKotlin("1.4")
public annotation class ExperimentalJsExport {
    * Exports top-level declaration on JS platform.
    * Compiled module exposes declarations that are marked with this annotation without name mangling.
    * This annotation can be applied to either files or top-level declarations.
    * It is currently prohibited to export the following kinds of declarations:
    * * `expect` declarations
    * * inline functions with reified type parameters
    * * suspend functions
    * * secondary constructors without `@JsName`
    * * extension properties
    * * enum classes
    * * annotation classes
    * Signatures of exported declarations must only contain "exportable" types:
    * * `dynamic`, `Any`, `String`, `Boolean`, `Byte`, `Short`, `Int`, `Float`, `Double`
    * * `BooleanArray`, `ByteArray`, `ShortArray`, `IntArray`, `FloatArray`, `DoubleArray`
    * * `Array<exportable-type>`
    * * Function types with exportable parameters and return types
    * * `external` or `@JsExport` classes and interfaces
    * * Nullable counterparts of types above
    * * Unit return type. Must not be nullable
    * This annotation is experimental, meaning that restrictions mentioned above are subject to change.
}
@ExperimentalJsExport
@Retention(AnnotationRetention.BINARY)
@Target(CLASS, PROPERTY, FUNCTION, FILE)
@SinceKotlin("1.4")
@OptionalExpectation
public expect annotation class JsExport() {
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    * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
}
package kotlin.io {
    * Prints the line separator to the standard output stream.
    public expect fun println() {
    * Prints the given [message] and the line separator to the standard output stream.
    public expect fun println(message: Any?) {
    * Prints the given [message] to the standard output stream.
    public expect fun print(message: Any?) {
    * Reads a line of input from the standard input stream and returns it,
    * or throws a [RuntimeException] if EOF has already been reached when [readln] is called.
    * LF or CRLF is treated as the line terminator. Line terminator is not included in the returned string.
    * Currently this function is not supported in Kotlin/JS and throws [UnsupportedOperationException].
    public expect fun readln(): String {
    * Reads a line of input from the standard input stream and returns it,
    * or return `null` if EOF has already been reached when [readlnOrNull] is called.
    * LF or CRLF is treated as the line terminator. Line terminator is not included in the returned string.
    * Currently this function is not supported in Kotlin/JS and throws [UnsupportedOperationException].
    public expect fun readlnOrNull(): String? {
    internal class ReadAfterEOFException(message: String?) : RuntimeException(message) {
    }
    internal expect interface Serializable {
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    * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
    package kotlin.collections {
    import kotlin.internal.PlatformDependent {
    * Classes that inherit from this interface can be represented as a sequence of elements that can
    * be iterated over.
    * @param T the type of element being iterated over. The iterator is covariant in its element type.
    public interface Iterable<out T> {
    * Returns an iterator over the elements of this object.
    public operator fun iterator(): Iterator<T> {
    * Classes that inherit from this interface
    can be represented as a sequence of elements that can
    be iterated over and that supports removing elements during iteration.
    * @param T the type of element being iterated over. The mutable iterator is invariant in its element type.
    public interface MutableIterable<out T> : Iterable<T> {
    * Returns an iterator over the elements of this sequence that supports removing elements during iteration.
    public override fun iterator(): MutableIterator<T> {
    * A generic collection of elements. Methods in this interface support only read-only access to the collection;
    read/write access is supported through the [MutableCollection] interface.
    * @param E the type of elements contained in the collection. The collection is covariant in its element type.
    public interface Collection<out E> : Iterable<E> {
    // Query Operations
    * Returns the size of the collection.
    public val size: Int {
    * Returns `true` if the collection is empty (contains no elements), `false` otherwise.
    public fun isEmpty(): Boolean {
    * Checks if the specified element is contained in this collection.
    public operator fun contains(element: @UnsafeVariance E): Boolean {
    * override fun iterator(): Iterator<E> {
    // Bulk Operations
    * Checks if all elements in the specified collection are contained in

```

```

this collection.\n    */\n    public fun containsAll(elements: Collection<@UnsafeVariance E>): Boolean\n}\n\n/**\n * A generic collection of elements that supports adding and removing elements.\n * @param E the type of elements contained in the collection. The mutable collection is invariant in its element type.\n */\npublic interface MutableCollection<E> : Collection<E>, MutableIterable<E> {\n // Query Operations\n    override fun iterator(): MutableIterator<E>\n\n // Modification Operations\n    /**\n     * Adds the specified element to the collection.\n     * @return `true` if the element has been added, `false` if the collection does not support duplicates\n     * and the element is already contained in the collection.\n     */\n    public fun add(element: E): Boolean\n\n    /**\n     * Removes a single instance of the specified element from this\n     * collection, if it is present.\n     * @return `true` if the element has been successfully removed; `false` if it was not present in the collection.\n     */\n    public fun remove(element: E): Boolean\n\n // Bulk Modification Operations\n    /**\n     * Adds all of the elements of the specified collection to this collection.\n     * @return `true` if any of the specified elements was added to the collection, `false` if the collection was not modified.\n     */\n    public fun addAll(elements: Collection<E>): Boolean\n\n    /**\n     * Removes all of this collection's elements that are also contained in the specified collection.\n     * @return `true` if any of the specified elements was removed from the collection, `false` if the collection was not modified.\n     */\n    public fun removeAll(elements: Collection<E>): Boolean\n\n    /**\n     * Retains only the elements in this collection that are contained in the specified collection.\n     * @return `true` if any element was removed from the collection, `false` if the collection was not modified.\n     */\n    public fun retainAll(elements: Collection<E>): Boolean\n\n    /**\n     * Removes all elements from this collection.\n     */\n    public fun clear(): Unit\n}\n\n/**\n * A generic ordered collection of elements. Methods in this interface support only read-only access to the list;\n * read/write access is supported through the [MutableList] interface.\n * @param E the type of elements contained in the list. The list is covariant in its element type.\n */\npublic interface List<out E> : Collection<E> {\n // Query Operations\n\n    override val size: Int\n    override fun isEmpty(): Boolean\n\n    override fun contains(element: @UnsafeVariance E): Boolean\n\n    override fun iterator(): Iterator<E>\n\n // Bulk Operations\n    override fun containsAll(elements: Collection<@UnsafeVariance E>): Boolean\n\n // Positional Access Operations\n    /**\n     * Returns the element at the specified index in the list.\n     */\n    public operator fun get(index: Int): E\n\n // Search Operations\n    /**\n     * Returns the index of the first occurrence of the specified element in the list, or -1 if the specified\n     * element is not contained in the list.\n     */\n    public fun indexOf(element: @UnsafeVariance E): Int\n\n    /**\n     * Returns the index of the last occurrence of the specified element in the list, or -1 if the specified\n     * element is not contained in the list.\n     */\n    public fun lastIndexOf(element: @UnsafeVariance E): Int\n\n // List Iterators\n    /**\n     * Returns a list iterator over the elements in this list (in proper sequence).\n     */\n    public fun listIterator(): ListIterator<E>\n\n    /**\n     * Returns a list iterator over the elements in this list (in proper sequence), starting at the specified [index].\n     */\n    public fun listIterator(index: Int): ListIterator<E>\n\n // View\n    /**\n     * Returns a view of the portion of this list between the specified [fromIndex] (inclusive) and [toIndex] (exclusive).\n     * The returned list is backed by this list, so non-structural changes in the returned list are reflected in this list, and vice-versa.\n     * Structural changes in the base list make the behavior of the view undefined.\n     */\n    public fun subList(fromIndex: Int, toIndex: Int): List<E>\n}\n\n/**\n * A generic ordered collection of elements that supports adding and removing elements.\n * @param E the type of elements contained in the list. The mutable list is invariant in its element type.\n */\npublic interface MutableList<E> : List<E>, MutableCollection<E> {\n // Modification Operations\n    /**\n     * Adds the specified element to the end of this list.\n     * @return `true` because the list is always modified as the result of this operation.\n     */\n    override fun add(element: E): Boolean\n\n    override fun remove(element: E): Boolean\n\n // Bulk Modification Operations\n    /**\n     * Adds all of the elements of the specified collection to the end of this list.\n     * The elements are appended in the order they appear in the [elements] collection.\n     * @return `true` if the list was changed as the result of the operation.\n     */\n    override fun addAll(elements: Collection<E>): Boolean\n\n    /**\n     * Inserts all of the elements of the specified collection [elements] into this list at the specified [index].\n     * @return `true` if the list was changed as the result of the operation.\n     */\n    public fun addAll(index: Int, elements: Collection<E>): Boolean\n\n    override fun removeAll(elements: Collection<E>): Boolean\n\n    override fun retainAll(elements:

```

```

Collection<E>): Boolean\n    override fun clear(): Unit\n\n    // Positional Access Operations\n    /**\n     * Replaces the element at the specified position in this list with the specified element.\n     *\n     * @return the element previously at the specified position.\n     */\n    public operator fun set(index: Int, element: E): E\n\n    /**\n     * Inserts an element into the list at the specified [index].\n     */\n    public fun add(index: Int, element: E): Unit\n\n    /**\n     * Removes an element at the specified [index] from the list.\n     *\n     * @return the element that has been removed.\n     */\n    public fun removeAt(index: Int): E\n\n    // List Iterators\n    override fun listIterator(): MutableListIterator<E>\n\n    // View\n    override fun subList(fromIndex: Int, toIndex: Int): MutableList<E>\n\n    /**\n     * A generic unordered collection of elements that does not support duplicate elements.\n     * Methods in this interface support only read-only access to the set;\n     * read/write access is supported through the [MutableSet] interface.\n     * @param E the type of elements contained in the set. The set is covariant in its element type.\n     */\n    public interface Set<out E> : Collection<E> {\n        // Query Operations\n\n        override val size: Int\n        override fun isEmpty(): Boolean\n        override fun contains(element: @UnsafeVariance E): Boolean\n        override fun iterator(): Iterator<E>\n\n        // Bulk Operations\n        override fun containsAll(elements: Collection<@UnsafeVariance E>): Boolean\n\n        /**\n         * A generic unordered collection of elements that does not support duplicate elements, and supports\n         * adding and removing elements.\n         * @param E the type of elements contained in the set. The mutable set is invariant in its element type.\n         */\n        public interface MutableSet<E> : Set<E>, MutableCollection<E> {\n            // Query Operations\n            override fun iterator(): MutableIterator<E>\n\n            // Modification Operations\n\n            /**\n             * Adds the specified element to the set.\n             *\n             * @return `true` if the element has been added, `false` if the element is already contained in the set.\n             */\n            override fun add(element: E): Boolean\n\n            // Bulk Modification Operations\n\n            override fun addAll(elements: Collection<E>): Boolean\n            override fun removeAll(elements: Collection<E>): Boolean\n            override fun clear(): Unit\n\n            /**\n             * A collection that holds pairs of objects (keys and values) and supports efficiently retrieving\n             * the value corresponding to each key. Map keys are unique; the map holds only one value for each key.\n             * Methods in this interface support only read-only access to the map; read-write access is supported through\n             * the [MutableMap] interface.\n             * @param K the type of map keys. The map is invariant in its key type, as it\n             * can accept key as a parameter (of [containsKey] for example) and return it in [keys] set.\n             * @param V the type of map values. The map is covariant in its value type.\n             */\n            public interface Map<K, out V> {\n                // Query Operations\n\n                /**\n                 * Returns the number of key/value pairs in the map.\n                 */\n                public val size: Int\n\n                /**\n                 * Returns `true` if the map is empty (contains no elements), `false` otherwise.\n                 */\n                public fun isEmpty(): Boolean\n\n                /**\n                 * Returns `true` if the map contains the specified [key].\n                 */\n                public fun containsKey(key: K): Boolean\n\n                /**\n                 * Returns `true` if the map maps one or more keys to the specified [value].\n                 */\n                public fun containsValue(value: @UnsafeVariance V): Boolean\n\n                /**\n                 * Returns the value corresponding to the given [key], or `null` if such a key is not present in the map.\n                 */\n                public operator fun get(key: K): V?\n\n                /**\n                 * Returns the value corresponding to the given [key], or [defaultValue] if such a key is not present in the map.\n                 *\n                 * @since JDK 1.8\n                 */\n                @SinceKotlin("1.1")\n                @PlatformDependent\n                public fun getOrDefault(key: K, defaultValue: @UnsafeVariance V): V {\n                    // See default implementation in JDK sources\n                    throw NotImplementedError()\n                }\n\n                // Views\n                /**\n                 * Returns a read-only [Set] of all keys in this map.\n                 */\n                public val keys: Set<K>\n\n                /**\n                 * Returns a read-only [Collection] of all values in this map. Note that this collection may contain duplicate values.\n                 */\n                public val values: Collection<V>\n\n                /**\n                 * Returns a read-only [Set] of all key/value pairs in this map.\n                 */\n                public val entries: Set<Map.Entry<K, V>>\n\n                /**\n                 * Represents a key/value pair held by a [Map].\n                 */\n                public interface Entry<out K, out V> {\n                    /**\n                     * Returns the key of this key/value pair.\n                     */\n                    public val key: K\n\n                    /**\n                     * Returns the value of this key/value pair.\n                     */\n                    public val value: V\n                }\n\n                /**\n                 * A modifiable collection that holds pairs of objects (keys and values) and supports efficiently retrieving\n                 * the value corresponding to each key. Map keys are unique; the map holds only one value for each key.\n                 * @param K the type of map keys. The map is invariant in its key type.\n                 * @param V the type of map values. The mutable map is invariant in its value type.\n                 */\n                public interface MutableMap<K, V> : Map<K, V> {\n                    // Modification

```

```

Operations
    /**
     * Associates the specified [value] with the specified [key] in the map.
     * @return the previous value associated with the key, or `null` if the key was not present in the map.
     */
    public fun put(key: K, value: V): V?

    /**
     * Removes the specified key and its corresponding value from this map.
     * @return the previous value associated with the key, or `null` if the key was not present in the map.
     */
    public fun remove(key: K): V?

    /**
     * Removes the entry for the specified key only if it is mapped to the specified value.
     * @return true if entry was removed
     */
    @SinceKotlin("1.1")
    @PlatformDependent
    public fun remove(key: K, value: V): Boolean {
        // See default implementation in JDK sources
        return true
    }

    // Bulk Modification Operations
    /**
     * Updates this map with key/value pairs from the specified map [from].
     */
    public fun putAll(from: Map<out K, V>): Unit

    /**
     * Removes all elements from this map.
     */
    public fun clear(): Unit

    // Views
    /**
     * Returns a [MutableSet] of all keys in this map.
     */
    override val keys: MutableSet<K>

    /**
     * Returns a [MutableCollection] of all values in this map. Note that this collection may contain duplicate values.
     */
    override val values: MutableCollection<V>

    /**
     * Returns a [MutableSet] of all key/value pairs in this map.
     */
    override val entries: MutableSet<MutableMap.MutableEntry<K, V>>

    /**
     * Represents a key/value pair held by a [MutableMap].
     */
    public interface MutableEntry<K, V> : Map.Entry<K, V> {
        /**
         * Changes the value associated with the key of this entry.
         * @return the previous value corresponding to the key.
         */
        public fun setValue(newValue: V): V
    }

    /**
     * Copyright 2010-2022 JetBrains s.r.o. and Kotlin Programming Language contributors.
     * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
     */
    // Auto-generated file. DO NOT EDIT!
    package kotlin.collections

    /**
     * An iterator over a sequence of values of type `Byte`.
     */
    public abstract class ByteIterator : Iterator<Byte> {
        override final fun next() = nextByte()
        /**
         * Returns the next value in the sequence without boxing.
         */
        public abstract fun nextByte(): Byte
    }

    /**
     * An iterator over a sequence of values of type `Char`.
     */
    public abstract class CharIterator : Iterator<Char> {
        override final fun next() = nextChar()
        /**
         * Returns the next value in the sequence without boxing.
         */
        public abstract fun nextChar(): Char
    }

    /**
     * An iterator over a sequence of values of type `Short`.
     */
    public abstract class ShortIterator : Iterator<Short> {
        override final fun next() = nextShort()
        /**
         * Returns the next value in the sequence without boxing.
         */
        public abstract fun nextShort(): Short
    }

    /**
     * An iterator over a sequence of values of type `Int`.
     */
    public abstract class IntIterator : Iterator<Int> {
        override final fun next() = nextInt()
        /**
         * Returns the next value in the sequence without boxing.
         */
        public abstract fun nextInt(): Int
    }

    /**
     * An iterator over a sequence of values of type `Long`.
     */
    public abstract class LongIterator : Iterator<Long> {
        override final fun next() = nextLong()
        /**
         * Returns the next value in the sequence without boxing.
         */
        public abstract fun nextLong(): Long
    }

    /**
     * An iterator over a sequence of values of type `Float`.
     */
    public abstract class FloatIterator : Iterator<Float> {
        override final fun next() = nextFloat()
        /**
         * Returns the next value in the sequence without boxing.
         */
        public abstract fun nextFloat(): Float
    }

    /**
     * An iterator over a sequence of values of type `Double`.
     */
    public abstract class DoubleIterator : Iterator<Double> {
        override final fun next() = nextDouble()
        /**
         * Returns the next value in the sequence without boxing.
         */
        public abstract fun nextDouble(): Double
    }

    /**
     * An iterator over a sequence of values of type `Boolean`.
     */
    public abstract class BooleanIterator : Iterator<Boolean> {
        override final fun next() = nextBoolean()
        /**
         * Returns the next value in the sequence without boxing.
         */
        public abstract fun nextBoolean(): Boolean
    }

    /**
     * Copyright 2010-2022 JetBrains s.r.o. and Kotlin Programming Language contributors.
     * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
     */
    // Auto-generated file. DO NOT EDIT!
    package kotlin.ranges

    /**
     * An iterator over a progression of values of type `Char`.
     * @property step the number by which the value is incremented on each step.
     */
    internal class CharProgressionIterator(first: Char, last: Char, val step: Int) : CharIterator() {
        private val finalElement: Int = last.code
        private var hasNext: Boolean = if (step > 0) first <= last else first >= last
        private var next: Int = if (hasNext) first.code else finalElement
        override fun hasNext(): Boolean = hasNext
        override fun nextChar(): Char {
            val value = next
            if (value == finalElement) {
                if (!hasNext) throw kotlin.NoSuchElementException()
                hasNext = false
            } else {
                next += step
            }
            return value.toChar()
        }
    }

```

```

An iterator over a progression of values of type `Int`.
@property step the number by which the value is
incremented on each step.
internal class IntProgressionIterator(first: Int, last: Int, val step: Int) : IntIterator()
{
    private val finalElement: Int = last
    private var hasNext: Boolean = if (step > 0) first <= last else first >=
last
    private var next: Int = if (hasNext) first else finalElement
    override fun hasNext(): Boolean =
hasNext
    override fun nextInt(): Int {
        val value = next
        if (value == finalElement) {
            if
(!hasNext) throw kotlin.NoSuchElementException()
            hasNext = false
        }
        else {
            next +=
step
        }
        return value
    }
}
An iterator over a progression of values of type `Long`.
@property step the number by which the value is incremented on each step.
internal class
LongProgressionIterator(first: Long, last: Long, val step: Long) : LongIterator()
{
    private val finalElement: Long = last
    private var hasNext: Boolean = if (step > 0) first <= last else first >= last
    private var next: Long = if
(hasNext) first else finalElement
    override fun hasNext(): Boolean = hasNext
    override fun nextLong():
Long {
        val value = next
        if (value == finalElement) {
            if (!hasNext) throw
kotlin.NoSuchElementException()
            hasNext = false
        }
        else {
            next += step
        }
        return value
    }
}
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license/LICENSE.txt file.
Auto-generated file. DO NOT EDIT!
package kotlin.ranges
import
kotlin.internal.getProgressionLastElement
A progression of values of type `Char`.
public open class
CharProgression(
    internal constructor(
        start: Char,
        endInclusive: Char,
        step: Int
    ) : Iterable<Char> {
        init {
            if (step == 0) throw kotlin.IllegalArgumentException("Step must be non-
zero.")
            if (step == Int.MIN_VALUE) throw kotlin.IllegalArgumentException("Step must be greater than
Int.MIN_VALUE to avoid overflow on negation.")
        }
        /**
         * The first element in the progression.
         */
        public val first: Char = start
        /**
         * The last element in the progression.
         */
        public val last:
Char = getProgressionLastElement(start.code, endInclusive.code, step).toChar()
        /**
         * The step of the
progression.
         */
        public val step: Int = step
        override fun iterator(): CharIterator =
CharProgressionIterator(first, last, step)
        /**
         * Checks if the progression is empty.
         */
        /**
         * Progression
with a positive step is empty if its first element is greater than the last element.
         */
        /**
         * Progression with a negative
step is empty if its first element is less than the last element.
         */
        public open fun isEmpty(): Boolean = if
(step > 0) first > last else first < last
        override fun equals(other: Any?): Boolean =
other is
CharProgression && (isEmpty() && other.isEmpty() || first == other.first && last == other.last && step ==
other.step)
        override fun hashCode(): Int = if (isEmpty()) -1 else (31 * (31 * first.code + last.code) +
step)
        override fun toString(): String = if (step > 0) "$first..$last step $step" else "$first downTo $last step ${-
step}"
        companion object {
            /**
             * Creates CharProgression within the specified bounds of a
closed range.
             */
            /**
             * The progression starts with the [rangeStart] value and goes toward the [rangeEnd]
value not excluding it, with the specified [step].
             */
            /**
             * In order to go backwards the [step] must be negative.
             */
            /**
             * [step] must be greater than `Int.MIN_VALUE` and not equal to zero.
             */
            public fun
fromClosedRange(rangeStart: Char, rangeEnd: Char, step: Int): CharProgression = CharProgression(rangeStart,
rangeEnd, step)
}
}
A progression of values of type `Int`.
public open class IntProgression(
    internal constructor(
        start: Int,
        endInclusive: Int,
        step: Int
    ) : Iterable<Int> {
        init {
            if (step == 0) throw kotlin.IllegalArgumentException("Step must be non-zero.")
            if (step ==
Int.MIN_VALUE) throw kotlin.IllegalArgumentException("Step must be greater than Int.MIN_VALUE to avoid
overflow on negation.")
        }
        /**
         * The first element in the progression.
         */
        public val first: Int =
start
        /**
         * The last element in the progression.
         */
        public val last: Int =
getProgressionLastElement(start, endInclusive, step)
        /**
         * The step of the progression.
         */
        public val step: Int = step
        override fun iterator(): IntIterator = IntProgressionIterator(first, last, step)
        /**
         *
Checks if the progression is empty.
         */
        /**
         * Progression with a positive step is empty if its first element is
greater than the last element.
         */
        /**
         * Progression with a negative step is empty if its first element is less than the last
element.
         */
        public open fun isEmpty(): Boolean = if (step > 0) first > last else first < last
        override fun
equals(other: Any?): Boolean =
other is IntProgression && (isEmpty() && other.isEmpty() || first ==

```

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other.first && last == other.last && step == other.step)\n\n override fun hashCode(): Int =\n    if (isEmpty()) -1\n    else (31 * (31 * first + last) + step)\n\n override fun toString(): String = if (step > 0) \"$first..$last step $step\" else\n    \"$first downTo $last step ${-step}\"\n\n companion object {\n    /**\n     * Creates IntProgression within the\n     * specified bounds of a closed range.\n     * * The progression starts with the [rangeStart] value and goes\n     * toward the [rangeEnd] value not excluding it, with the specified [step].\n     * * In order to go backwards the [step]\n     * must be negative.\n     * * [step] must be greater than `Int.MIN_VALUE` and not equal to zero.\n     */\n    public fun fromClosedRange(rangeStart: Int, rangeEnd: Int, step: Int): IntProgression =\n        IntProgression(rangeStart, rangeEnd, step)\n    }\n\n /**\n  * A progression of values of type `Long`.\n  */\n  public open class LongProgression\n    internal constructor(\n        start: Long,\n        endInclusive: Long,\n        step: Long\n    ): Iterable<Long> {\n        init {\n            if (step == 0L) throw kotlin.IllegalArgumentException(\"Step\n            must be non-zero.\")\n            if (step == Long.MIN_VALUE) throw kotlin.IllegalArgumentException(\"Step must be\n            greater than Long.MIN_VALUE to avoid overflow on negation.\")\n        }\n        /**\n         * The first element in the\n         * progression.\n         */\n        public val first: Long = start\n        /**\n         * The last element in the progression.\n         */\n        public val last: Long = getProgressionLastElement(start, endInclusive, step)\n        /**\n         * The step of the\n         * progression.\n         */\n        public val step: Long = step\n        override fun iterator(): LongIterator =\n            LongProgressionIterator(first, last, step)\n        /**\n         * Checks if the progression is empty.\n         */\n        * Progression with a positive step is empty if its first element is greater than the last element.\n        * Progression with a\n        * negative step is empty if its first element is less than the last element.\n        */\n        public open fun isEmpty(): Boolean\n        = if (step > 0) first > last else first < last\n        override fun equals(other: Any?): Boolean =\n            other is\n            LongProgression && (isEmpty() && other.isEmpty()) ||\n            first == other.first && last == other.last && step ==\n            other.step)\n        override fun hashCode(): Int =\n            if (isEmpty()) -1 else (31 * (31 * (first xor (first ushr 32)) +\n            (last xor (last ushr 32))) + (step xor (step ushr 32))).toInt()\n        override fun toString(): String = if (step > 0)\n            \"$first..$last step $step\" else \"$first downTo $last step ${-step}\"\n        companion object {\n            /**\n             * Creates LongProgression within the specified bounds of a closed range.\n             * * The progression starts\n             * with the [rangeStart] value and goes toward the [rangeEnd] value not excluding it, with the specified [step].\n             * * In order to go backwards the [step] must be negative.\n             * * [step] must be greater than\n             * `Long.MIN_VALUE` and not equal to zero.\n             */\n            public fun fromClosedRange(rangeStart: Long,\n            rangeEnd: Long, step: Long): LongProgression = LongProgression(rangeStart, rangeEnd, step)\n        }\n    }\n\n /**\n  * Represents a range of values (for example, numbers or characters).\n  * * See the [Kotlin\n  * language documentation](https://kotlinlang.org/docs/reference/ranges.html) for more information.\n  */\n  public interface ClosedRange<T>: Comparable<T> {\n        /**\n         * The minimum value in the range.\n         */\n        public val start: T\n        /**\n         * The maximum value in the range (inclusive).\n         */\n        public val endInclusive: T\n        /**\n         * Checks whether the specified [value] belongs to the range.\n         */\n        public operator fun contains(value:\n        T): Boolean = value >= start && value <= endInclusive\n        /**\n         * Checks whether the range is empty.\n         */\n        * The range is empty if its start value is greater than the end value.\n        */\n        public fun isEmpty(): Boolean = start\n        > endInclusive\n    }\n\n /**\n  * Copyright 2010-2015 JetBrains s.r.o. * Licensed under the Apache License,\n  * Version 2.0 (the \"License\"); * you may not use this file except in compliance with the License. * You may\n  * obtain a copy of the License at * http://www.apache.org/licenses/LICENSE-2.0 * Unless required by\n  * applicable law or agreed to in writing, software * distributed under the License is distributed on an \"AS IS\"\n  * BASIS, * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. * See the\n  * License for the specific language governing permissions and * limitations under the License.\n  */\n  package\n  kotlin\n  /**\n   * The type with only one value: the `Unit` object. This type corresponds to the `void` type in Java.\n   */\n  public object Unit {\n        override fun toString() = \"kotlin.Unit\"\n    }\n\n /**\n  * Copyright 2010-2015 JetBrains\n  * s.r.o. * Licensed under the Apache License, Version 2.0 (the \"License\"); * you may not use this file except\n  * in compliance with the License. * You may obtain a copy of the License at * http://www.apache.org/licenses/LICENSE-2.0 * Unless required by\n  * applicable law or agreed to in writing,\n  */

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software\n \* distributed under the License is distributed on an \"AS IS\" BASIS,\n \* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.\n \* See the License for the specific language governing permissions and\n \* limitations under the License.\n \*/\n\npackage kotlin.annotation\n\nimport kotlin.annotation.AnnotationTarget.\*\n\n/\*\*\n \* Contains the list of code elements which are the possible annotation targets\n \*/\npublic enum class AnnotationTarget {\n /\*\* Class, interface or object, annotation class is also included\n \*/\n CLASS,\n /\*\* Annotation class only\n \*/\n ANNOTATION\_CLASS,\n /\*\* Generic type parameter\n \*/\n TYPE\_PARAMETER,\n /\*\* Property\n \*/\n PROPERTY,\n /\*\* Field, including property's backing field\n \*/\n FIELD,\n /\*\* Local variable\n \*/\n LOCAL\_VARIABLE,\n /\*\* Value parameter of a function or a constructor\n \*/\n VALUE\_PARAMETER,\n /\*\* Constructor only (primary or secondary)\n \*/\n CONSTRUCTOR,\n /\*\* Function (constructors are not included)\n \*/\n FUNCTION,\n /\*\* Property getter only\n \*/\n PROPERTY\_GETTER,\n /\*\* Property setter only\n \*/\n PROPERTY\_SETTER,\n /\*\* Type usage\n \*/\n TYPE,\n /\*\* Any expression\n \*/\n EXPRESSION,\n /\*\* File\n \*/\n FILE,\n /\*\* Type alias\n \*/\n TYPEALIAS\n}\n\n/\*\*\n \* Contains the list of possible annotation's retentions.\n \*/\n \* Determines how an annotation is stored in binary output.\n \*/\npublic enum class AnnotationRetention {\n /\*\* Annotation isn't stored in binary output\n \*/\n SOURCE,\n /\*\* Annotation is stored in binary output, but invisible for reflection\n \*/\n BINARY,\n /\*\* Annotation is stored in binary output and visible for reflection (default retention)\n \*/\n RUNTIME\n}\n\n/\*\*\n \* This meta-annotation indicates the kinds of code elements which are possible targets of an annotation.\n \*/\n \* If the target meta-annotation is not present on an annotation declaration, the annotation is applicable to the following elements: [CLASS], [PROPERTY], [FIELD], [LOCAL\_VARIABLE], [VALUE\_PARAMETER], [CONSTRUCTOR], [FUNCTION], [PROPERTY\_GETTER], [PROPERTY\_SETTER].\n \*/\n \* @property allowedTargets list of allowed annotation targets\n \*/\n \* @Target(AnnotationTarget.ANNOTATION\_CLASS)\n \*/\n \* @MustBeDocumented\n \*/\npublic annotation class Target(vararg val allowedTargets: AnnotationTarget)\n\n/\*\*\n \* This meta-annotation determines whether an annotation is stored in binary output and visible for reflection. By default, both are true.\n \*/\n \* @property value necessary annotation retention (RUNTIME, BINARY or SOURCE)\n \*/\n \* @Target(AnnotationTarget.ANNOTATION\_CLASS)\n \*/\npublic annotation class Retention(val value: AnnotationRetention = AnnotationRetention.RUNTIME)\n\n/\*\*\n \* This meta-annotation determines that an annotation is applicable twice or more on a single code element\n \*/\n \* @Target(AnnotationTarget.ANNOTATION\_CLASS)\n \*/\npublic annotation class Repeatable\n\n/\*\*\n \* This meta-annotation determines that an annotation is a part of public API and therefore should be included in the generated\n \*/\n \* documentation for the element to which the annotation is applied.\n \*/\n \* @Target(AnnotationTarget.ANNOTATION\_CLASS)\n \*/\npublic annotation class MustBeDocumented\n\n"/\n\n \* Copyright 2010-2016 JetBrains s.r.o.\n \*/\n \* Licensed under the Apache License, Version 2.0 (the \"License\");\n \*/\n \* you may not use this file except in compliance with the License.\n \*/\n \* You may obtain a copy of the License at\n \*/\n \* <http://www.apache.org/licenses/LICENSE-2.0>\n \*/\n \* Unless required by applicable law or agreed to in writing, software\n \*/\n \* distributed under the License is distributed on an \"AS IS\" BASIS,\n \*/\n \* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.\n \*/\n \* See the License for the specific language governing permissions and\n \*/\n \* limitations under the License.\n \*/\n\npackage kotlin.internal\n\n/\*\*\n \* Specifies that the corresponding type parameter is not used for unsafe operations such as casts or 'is' checks\n \*/\n \* That means it's completely safe to use generic types as argument for such parameter.\n \*/\n \* @Target(AnnotationTarget.TYPE\_PARAMETER)\n \*/\n \* @Retention(AnnotationRetention.BINARY)\n \*/\ninternal annotation class PureReifiable\n\n/\*\*\n \* Specifies that the corresponding built-in method exists depending on platform.\n \*/\n \* Current implementation for JVM looks whether method with same JVM descriptor exists in the module JDK.\n \*/\n \* For example MutableMap.remove(K, V) available only if corresponding\n \*/\n \* method 'java/util/Map.remove(Ljava/lang/Object;Ljava/lang/Object;)Z' is defined in JDK (i.e. for major versions >= 8)\n \*/\n \* @Target(AnnotationTarget.FUNCTION)\n \*/\n \* @Retention(AnnotationRetention.BINARY)\n \*/\ninternal annotation class PlatformDependent\n\n"/\n\n \* Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n \*/\n \* Use of this source code is governed by the Apache 2.0 license that can be found in the

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license/LICENSE.txt file.\n */\n\npackage kotlin.internal\n\n// a mod b (in arithmetical sense)\nprivate fun mod(a: Int, b: Int): Int {\n    val mod = a % b\n    return if (mod >= 0) mod else mod + b\n}\n\nprivate fun mod(a: Long, b: Long): Long {\n    val mod = a % b\n    return if (mod >= 0) mod else mod + b\n}\n\n// (a - b) mod c\nprivate fun differenceModulo(a: Int, b: Int, c: Int): Int {\n    return mod(mod(a, c) - mod(b, c), c)\n}\n\nprivate fun differenceModulo(a: Long, b: Long, c: Long): Long {\n    return mod(mod(a, c) - mod(b, c), c)\n}\n\n/**\n * Calculates the final element of a bounded arithmetic progression, i.e. the last element of the progression which is in the range\n * from [start] to [end] in case of a positive [step], or from [end] to [start] in case of a negative\n * [step].\n * No validation on passed parameters is performed. The given parameters should satisfy the condition:\n * - either `step > 0` and `start <= end`,\n * - or `step < 0` and `start >= end`.\n * @param start first element of the progression\n * @param end ending bound for the progression\n * @param step increment, or difference of successive elements in the progression\n * @return the final element of the progression\n *\n * @suppress\n */\n\n@PublishedApi\ninternal fun getProgressionLastElement(start: Int, end: Int, step: Int): Int = when {\n    step > 0 -> if (start >= end) end else end - differenceModulo(end, start, step)\n    step < 0 -> if (start <= end) end else end + differenceModulo(start, end, -step)\n    else -> throw kotlin.IllegalArgumentException("Step is zero.")\n}\n\n/**\n * Calculates the final element of a bounded arithmetic progression, i.e. the last element of the progression which is in the range\n * from [start] to [end] in case of a positive [step], or from [end] to [start] in case of a negative\n * [step].\n * No validation on passed parameters is performed. The given parameters should satisfy the condition:\n * - either `step > 0` and `start <= end`,\n * - or `step < 0` and `start >= end`.\n * @param start first element of the progression\n * @param end ending bound for the progression\n * @param step increment, or difference of successive elements in the progression\n * @return the final element of the progression\n *\n * @suppress\n */\n\n@PublishedApi\ninternal fun getProgressionLastElement(start: Long, end: Long, step: Long): Long = when {\n    step > 0 -> if (start >= end) end else end - differenceModulo(end, start, step)\n    step < 0 -> if (start <= end) end else end + differenceModulo(start, end, -step)\n    else -> throw\n    kotlin.IllegalArgumentException("Step is zero.")\n}\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license: that can be found in the license/LICENSE.txt file.\n */\n\n@JsName("arrayIterator")\ninternal fun arrayIterator(array: dynamic, type: String?) = when (type) {\n    null -> {\n        val arr: Array<dynamic> = array\n        object : Iterator<dynamic> {\n            var index = 0\n            override fun hasNext() = index < arr.size\n            override fun next() = if (index < arr.size) arr[index++] else throw NoSuchElementException("$index")\n        }\n    }\n    "BooleanArray" -> booleanArrayIterator(array)\n    "ByteArray" -> byteArrayIterator(array)\n    "ShortArray" -> shortArrayIterator(array)\n    "CharArray" -> charArrayIterator(array)\n    "IntArray" -> intArrayIterator(array)\n    "LongArray" -> longArrayIterator(array)\n    "FloatArray" -> floatArrayIterator(array)\n    "DoubleArray" -> doubleArrayIterator(array)\n    else -> throw\n    IllegalStateException("Unsupported type argument for arrayIterator: $type")\n}\n\n@JsName("booleanArrayIterator")\ninternal fun booleanArrayIterator(array: BooleanArray) = object : BooleanIterator() {\n    var index = 0\n    override fun hasNext() = index < array.size\n    override fun nextBoolean() = if (index < array.size) array[index++] else throw\n    NoSuchElementException("$index")\n}\n\n@JsName("byteArrayIterator")\ninternal fun byteArrayIterator(array: ByteArray) = object : ByteIterator() {\n    var index = 0\n    override fun hasNext() = index < array.size\n    override fun nextByte() = if (index < array.size) array[index++] else throw\n    NoSuchElementException("$index")\n}\n\n@JsName("shortArrayIterator")\ninternal fun shortArrayIterator(array: ShortArray) = object : ShortIterator() {\n    var index = 0\n    override fun hasNext() = index < array.size\n    override fun nextShort() = if (index < array.size) array[index++] else throw\n    NoSuchElementException("$index")\n}\n\n@JsName("charArrayIterator")\ninternal fun charArrayIterator(array: CharArray) = object : CharIterator() {\n    var index = 0\n    override fun hasNext() = index < array.size\n    override fun nextChar() = if (index < array.size) array[index++] else throw\n    NoSuchElementException("$index")\n}\n\n@JsName("intArrayIterator")\ninternal fun intArrayIterator(array: IntArray) = object : IntIterator() {\n    var index = 0\n    override fun hasNext() = index < array.size\n    override fun

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nextInt() = if (index < array.size) array[index++] else throw
NoSuchElementException("$index")\n\n\n@JsName("floatArrayIterator")\ninternal fun
floatArrayIterator(array: FloatArray) = object : FloatIterator() {\n    var index = 0\n    override fun hasNext() = index
< array.size\n    override fun nextFloat() = if (index < array.size) array[index++] else throw
NoSuchElementException("$index")\n\n\n@JsName("doubleArrayIterator")\ninternal fun
doubleArrayIterator(array: DoubleArray) = object : DoubleIterator() {\n    var index = 0\n    override fun hasNext()
= index < array.size\n    override fun nextDouble() = if (index < array.size) array[index++] else throw
NoSuchElementException("$index")\n\n\n@JsName("longArrayIterator")\ninternal fun longArrayIterator(array:
LongArray) = object : LongIterator() {\n    var index = 0\n    override fun hasNext() = index < array.size\n
override fun nextLong() = if (index < array.size) array[index++] else throw
NoSuchElementException("$index")\n\n\n@JsName("PropertyMetadata")\ninternal class
PropertyMetadata(@JsName("callableName") val name:
String)\n\n\n@JsName("noWhenBranchMatched")\ninternal fun noWhenBranchMatched(): Nothing = throw
NoWhenBranchMatchedException()\n\n\n@JsName("subSequence")\ninternal fun subSequence(c: CharSequence,
startIndex: Int, endIndex: Int): CharSequence {\n    if (c is String) {\n        return c.substring(startIndex, endIndex)\n
    } else {\n        return c.asDynamic().`subSequence_vux9f0$(startIndex, endIndex)\n
    }\n}\n\n\n@JsName("captureStack")\ninternal fun captureStack(@Suppress("UNUSED_PARAMETER")
baseClass: JsClass<in Throwable>, instance: Throwable) {\n    if (js("Error").captureStackTrace) {\n        // Using
uncropped stack traces due to KT-37563.\n        // Precise stack traces are implemented in JS IR compiler and
stdlib\n        js("Error").captureStackTrace(instance);\n    } else {\n        instance.asDynamic().stack = js("new
Error()").stack;\n    }\n}\n\n\n@JsName("newThrowable")\ninternal fun newThrowable(message: String?, cause:
Throwable?): Throwable {\n    val throwable = js("new Error()")\n    throwable.message = if (jsTypeOf(message)
== "undefined") {\n        if (cause != null) cause.toString() else null\n    } else {\n        message\n    }\n
throwable.cause = cause\n    throwable.name = "Throwable"\n    return
throwable\n}\n\n\n@JsName("BoxedChar")\ninternal class BoxedChar(val c: Int) : Comparable<Int> {\n    override
fun equals(other: Any?): Boolean {\n        return other is BoxedChar && c == other.c\n    }\n\n    override fun
hashCode(): Int {\n        return c\n    }\n\n    override fun toString(): String {\n        return
js("this.c").unsafeCast<Char>().toString()\n    }\n\n    override fun compareTo(other: Int): Int {\n        return
js("this.c - other").unsafeCast<Int>()\n    }\n\n    @JsName("valueOf")\n    public fun valueOf(): Int {\n
return c\n    }\n}\n\n\n@kotlin.internal.InlineOnly\ninternal inline fun <T> concat(args: Array<T>): T {\n    val typed
= js("Array")(args.size)\n    for (i in args.indices) {\n        val arr = args[i]\n        if (arr !is Array<*>) {\n
typed[i] = js("[]").slice.call(arr)\n        } else {\n            typed[i] = arr\n        }\n    }\n    return
js("[]").concat.apply(js("[]"), typed);\n}\n\n\n/** Concat regular Array's and TypedArray's into an Array.\n
*\n\n@PublishedApi\n@JsName("arrayConcat")\n@Suppress("UNUSED_PARAMETER")\ninternal fun <T>
arrayConcat(a: T, b: T): T {\n    return concat(js("arguments"))\n}\n\n\n/** Concat primitive arrays. Main use:
prepare vararg arguments.\n
* For compatibility with 1.1.0 the arguments may be a mixture of Array's and
TypedArray's.\n
* If the first argument is TypedArray (Byte-, Short-, Char-, Int-, Float-, and DoubleArray)
returns a TypedArray, otherwise an Array.\n
* If the first argument has the $type$ property (Boolean-, Char-, and
LongArray) copy its value to result.$type$.\n
* If the first argument is a regular Array without the $type$ property
default to arrayConcat.\n
*\n\n@PublishedApi\n@JsName("primitiveArrayConcat")\n@Suppress("UNUSED_PARAMETER")\ninternal
fun <T> primitiveArrayConcat(a: T, b: T): T {\n    val args: Array<T> = js("arguments")\n    if (a is Array<*> &&
a.asDynamic().`$type$` === undefined) {\n        return concat(args)\n    } else {\n        var size = 0\n        for (i in
args.indices) {\n            size += args[i].asDynamic().length as Int\n        }\n        val result = js("new
a.constructor(size)")\n        kotlin.copyArrayType(a, result)\n        size = 0\n        for (i in args.indices) {\n            val
arr = args[i].asDynamic()\n            for (j in 0 until arr.length) {\n                result[size++] = arr[j]\n            }\n
return result\n    }\n}\n\n\n@JsName("booleanArrayOf")\ninternal fun booleanArrayOf() =
withType("BooleanArray", js("[].slice.call(arguments))")\n\n\n@JsName("charArrayOf") // The arguments have

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to be slice'd here because of Rhino (see KT-16974)\ninternal fun charArrayOf() = withType(`CharArray`, js(`new
Uint16Array([],slice.call(arguments))`))\n\n@JsName(`longArrayOf`)\ninternal fun longArrayOf() =
withType(`LongArray`,
js(`[].slice.call(arguments)`))\n\n@JsName(`withType`)\n@kotlin.internal.InlineOnly\ninternal inline fun
withType(type: String, array: dynamic): dynamic {\n    array.`$type$` = type\n    return array\n}`, /*\n * Copyright
2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.js\n/**\n *
Function corresponding to JavaScript's `typeof` operator\n
*\n@kotlin.internal.InlineOnly\n@Suppress(`UNUSED_PARAMETER`)\npublic inline fun jsTypeOf(a: Any?):
String = js(`typeof a`)\n`, /*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\n@file:Suppress(`UNUSED_PARAMETER`,
`NOTHING_TO_INLINE`)\n\npackage kotlin\n/**\n * Returns an empty array of the specified type [T].\n
*\npublic inline fun <T> emptyArray(): Array<T> = js(`[]`)\n\n@library\npublic fun <T> arrayOf(vararg
elements: T): Array<T> = definedExternally\n\n@library\npublic fun doubleArrayOf(vararg elements: Double):
DoubleArray = definedExternally\n\n@library\npublic fun floatArrayOf(vararg elements: Float): FloatArray =
definedExternally\n\n@library\npublic fun longArrayOf(vararg elements: Long): LongArray =
definedExternally\n\n@library\npublic fun intArrayOf(vararg elements: Int): IntArray =
definedExternally\n\n@library\npublic fun charArrayOf(vararg elements: Char): CharArray =
definedExternally\n\n@library\npublic fun shortArrayOf(vararg elements: Short): ShortArray =
definedExternally\n\n@library\npublic fun byteArrayOf(vararg elements: Byte): ByteArray =
definedExternally\n\n@library\npublic fun booleanArrayOf(vararg elements: Boolean): BooleanArray =
definedExternally\n\n/**\n * Creates a new instance of the [Lazy] that uses the specified initialization function
[initializer].\n */\npublic actual fun <T> lazy(initializer: () -> T): Lazy<T> = UnsafeLazyImpl(initializer)\n\n/**\n *
Creates a new instance of the [Lazy] that uses the specified initialization function [initializer].\n */\n * The [mode]
parameter is ignored.\n */\npublic actual fun <T> lazy(mode: LazyThreadSafetyMode, initializer: () -> T): Lazy<T> =
UnsafeLazyImpl(initializer)\n\n/**\n * Creates a new instance of the [Lazy] that uses the specified initialization
function [initializer].\n */\n * The [lock] parameter is ignored.\n */\npublic actual fun <T> lazy(lock: Any?,
initializer: () -> T): Lazy<T> = UnsafeLazyImpl(initializer)\n\n\ninternal fun fillFrom(src: dynamic, dst: dynamic):
dynamic {\n    val srcLen: Int = src.length\n    val dstLen: Int = dst.length\n    var index: Int = 0\n    while (index <
srcLen && index < dstLen) dst[index] = src[index++]\n    return dst\n}\n\n\ninternal fun arrayCopyResize(source:
dynamic, newSize: Int, defaultValue: Any?): dynamic {\n    val result = source.slice(0, newSize)\n
copyArrayType(source, result)\n    var index: Int = source.length\n    if (newSize > index) {\n        result.length =
newSize\n        while (index < newSize) result[index++] = defaultValue\n    }\n    return result\n}\n\n\ninternal fun
<T> arrayPlusCollection(array: dynamic, collection: Collection<T>): dynamic {\n    val result = array.slice()\n
result.length += collection.size\n    copyArrayType(array, result)\n    var index: Int = array.length\n    for (element in
collection) result[index++] = element\n    return result\n}\n\n\ninternal fun <T> fillFromCollection(dst: dynamic,
startIndex: Int, collection: Collection<T>): dynamic {\n    var index = startIndex\n    for (element in collection)
dst[index++] = element\n    return dst\n}\n\n\ninternal inline fun copyArrayType(from: dynamic, to: dynamic) {\n    if
(from.`$type$` !== undefined) {\n        to.`$type$` = from.`$type$`\n    }\n}\n\n\ninternal inline fun jsIsType(obj:
dynamic, jsClass: dynamic) = js(`Kotlin`).isType(obj, jsClass), /*\n * Copyright 2010-2021 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin\n/**\n * Creates a Char with the specified
[code].\n */\n * @sample samples.text.Chars.charFromCode\n
*\n@SinceKotlin(`1.5`)\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
actual inline fun Char(code: UShort): Char {\n    return code.toInt().toChar()\n}\n`, /*\n * Copyright 2010-2018
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.coroutines\n\nimport

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kotlin.coroutines.intrinsics.COROUTINE_SUSPENDED\n\n@SinceKotlin("1.3")\n@JsName("CoroutineImpl")\ninternal abstract class CoroutineImpl(private val resultContinuation: Continuation<Any?>) : Continuation<Any?>
{\n    protected var state = 0\n    protected var exceptionState = 0\n    protected var result: Any? = null\n    protected
var exception: Throwable? = null\n    protected var finallyPath: Array<Int>? = null\n\n    public override val context:
CoroutineContext = resultContinuation.context\n\n    private var intercepted_: Continuation<Any?>? = null\n\n    public fun intercepted(): Continuation<Any?> =\n        intercepted_\n        ?:\n    (context[ContinuationInterceptor]?.interceptContinuation(this) ?: this)\n        .also { intercepted_ = it }\n\n    override fun resumeWith(result: Result<Any?>) {\n        var current = this\n        var currentResult: Any? =
result.getOrNull()\n        var currentException: Throwable? = result.exceptionOrNull()\n        // This loop unrolls
recursion in current.resumeWith(param) to make saner and shorter stack traces on resume\n        while (true) {\n
            with(current) {\n                val completion = resultContinuation\n                // Set result and exception fields in
the current continuation\n                if (currentException == null) {\n                    this.result = currentResult\n
                } else {\n                    state = exceptionState\n                    exception = currentException\n                }\n
            }\n            try {\n                val outcome = doResume()\n                if (outcome === COROUTINE_SUSPENDED)\n            }\n            return\n                currentResult = outcome\n                currentException = null\n            } catch (exception:
dynamic) {\n                // Catch all exceptions\n                currentResult = null\n                currentException =
exception.unsafeCast<Throwable>()\n            }\n            releaseIntercepted() // this state machine instance is
terminating\n            if (completion is CoroutineImpl) {\n                // unrolling recursion via loop\n                current = completion\n            } else {\n                // top-level completion reached -- invoke and return\n                currentException?.let {\n                    completion.resumeWithException(it)\n                } ?:\n                completion.resume(currentResult)\n                return\n            }\n        }\n    }\n\n    private fun
releaseIntercepted() {\n        val intercepted = intercepted_\n        if (intercepted != null && intercepted !== this) {\n
            context[ContinuationInterceptor]!!.releaseInterceptedContinuation(intercepted)\n        }\n        this.intercepted_
= CompletedContinuation // just in case\n    }\n\n    protected abstract fun doResume(): Any?\n}\n\ninternal object
CompletedContinuation : Continuation<Any?> {\n    override val context: CoroutineContext\n        get() =
error("This continuation is already complete")\n\n    override fun resumeWith(result: Result<Any?>) {\n
        error("This continuation is already complete")\n    }\n\n    override fun toString(): String = "This continuation is
already complete"\n}\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\n@file:Suppress("UNCHECKED_CAST",
"RedundantVisibilityModifier")\n\npackage kotlin\n\nimport kotlin.contracts.*\nimport
kotlin.internal.InlineOnly\nimport kotlin.jvm.JvmField\nimport kotlin.jvm.JvmInline\nimport
kotlin.jvm.JvmName\n\n/**\n * A discriminated union that encapsulates a successful outcome with a value of type
[T]\n * or a failure with an arbitrary [Throwable] exception.\n */\n@SinceKotlin("1.3")\n@JvmInline\npublic
value class Result<out T> @PublishedApi internal constructor(\n    @PublishedApi\n    internal val value: Any? = null\n) :
Serializable {\n    // discovery\n    /**\n     * Returns `true` if this instance represents a successful outcome.\n     *
In this case [isFailure] returns `false`.\n     */\n    public val isSuccess: Boolean\n        get() = value != null\n    /**\n     * Returns `true` if this instance represents a failed outcome.\n     *
In this case [isSuccess] returns `false`.\n     */\n    public val isFailure: Boolean\n        get() = value is Failure\n    // value & exception retrieval\n    /**\n     * Returns the
encapsulated value if this instance represents [success][Result.isSuccess] or `null` if it is
[failure][Result.isFailure].\n     */\n    * This function is a shorthand for `getOrElse { null }` (see [getOrElse]) or\n
* `fold(onSuccess = { it }, onFailure = { null })` (see [fold]).\n     */\n    @InlineOnly\n    public inline fun
getOrNull(): T? =\n        when {\n            isFailure -> null\n            else -> value as T\n        }\n    /**\n     *
Returns the encapsulated [Throwable] exception if this instance represents [failure][isFailure] or `null` if it is
[success][isSuccess].\n     */\n    * This function is a shorthand for `fold(onSuccess = { null }, onFailure = { it })`
(see [fold]).\n     */\n    public fun exceptionOrNull(): Throwable? =\n        when (value) {\n            is Failure ->
value.exception\n            else -> null\n        }\n    /**\n     * Returns a string `Success(v)` if this instance represents
[success][Result.isSuccess]\n     * where `v` is a string representation of the value or a string `Failure(x)` if\n     * it

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is [failure][isFailure] where `x` is a string representation of the exception.\n
*/\n
public override fun toString():
String =\n
    when (value) {\n
        is Failure -> value.toString() // \"Failure($exception)\"\n
        else ->
        \"Success($value)\"\n
    }\n
    // companion with constructors\n
    /**\n
     * Companion object for [Result]
     class that contains its constructor functions\n
     * [success] and [failure].\n
     */\n
    public companion object {\n
        /**\n
         * Returns an instance that encapsulates the given [value] as successful value.\n
         */\n
        @Suppress(\"INAPPLICABLE_JVM_NAME\")\n
        @InlineOnly\n
        @JvmName(\"success\")\n
        public
        inline fun <T> success(value: T): Result<T> =\n
            Result(value)\n
            /**\n
             * Returns an instance that
             encapsulates the given [Throwable] [exception] as failure.\n
             */\n
            @Suppress(\"INAPPLICABLE_JVM_NAME\")\n
            @InlineOnly\n
            @JvmName(\"failure\")\n
            public
            inline fun <T> failure(exception: Throwable): Result<T> =\n
                Result(createFailure(exception))\n
            }\n
            internal class Failure(\n
                @JvmField\n
                val exception: Throwable\n
            ): Serializable {\n
                override fun
                equals(other: Any?): Boolean = other is Failure && exception == other.exception\n
                override fun hashCode():
                Int = exception.hashCode()\n
                override fun toString(): String = \"Failure($exception)\"\n
            }\n
            /**\n
             *
             Creates an instance of internal marker [Result.Failure] class to\n
             * make sure that this class is not exposed in ABI.\n
             */\n
            @PublishedApi\n
            @SinceKotlin(\"1.3\")\n
            internal fun createFailure(exception: Throwable): Any =\n
                Result.Failure(exception)\n
            /**\n
             * Throws exception if the result is failure. This internal function minimizes\n
             * inlined bytecode for [getOrThrow] and makes sure that in the future we can\n
             * add some exception-augmenting
             logic here (if needed).\n
             */\n
            @PublishedApi\n
            @SinceKotlin(\"1.3\")\n
            internal fun Result<*>.throwOnFailure() {\n
                if (value is Result.Failure) throw value.exception\n
            }\n
            /**\n
             * Calls the specified function [block] and returns its
             encapsulated result if invocation was successful,\n
             * catching any [Throwable] exception that was thrown from the
             [block] function execution and encapsulating it as a failure.\n
             */\n
            @InlineOnly\n
            @SinceKotlin(\"1.3\")\n
            public
            inline fun <R> runCatching(block: () -> R): Result<R> {\n
                return try {\n
                    Result.success(block())\n
                } catch
                (e: Throwable) {\n
                    Result.failure(e)\n
                }\n
            }\n
            /**\n
             * Calls the specified function [block] with `this` value as
             its receiver and returns its encapsulated result if invocation was successful,\n
             * catching any [Throwable] exception
             that was thrown from the [block] function execution and encapsulating it as a failure.\n
             */\n
            @InlineOnly\n
            @SinceKotlin(\"1.3\")\n
            public inline fun <T, R> T.runCatching(block: T.() -> R): Result<R> {\n
                return try {\n
                    Result.success(block())\n
                } catch (e: Throwable) {\n
                    Result.failure(e)\n
                }\n
            }\n
            /**\n
             * Returns the encapsulated value if this instance represents [success][Result.isSuccess] or
             throws the encapsulated [Throwable] exception\n
             * if it is [failure][Result.isFailure].\n
             */\n
            * This function is a
             shorthand for `getOrElse { throw it }` (see [getOrElse]).\n
             */\n
            @InlineOnly\n
            @SinceKotlin(\"1.3\")\n
            public inline
            fun <T> Result<T>.getOrThrow(): T {\n
                throwOnFailure()\n
                return value as T\n
            }\n
            /**\n
             * Returns the
             encapsulated value if this instance represents [success][Result.isSuccess] or the\n
             * result of [onFailure] function for
             the encapsulated [Throwable] exception if it is [failure][Result.isFailure].\n
             */\n
            * Note, that this function rethrows
             any [Throwable] exception thrown by [onFailure] function.\n
             */\n
            * This function is a shorthand for `fold(onSuccess
             = { it }, onFailure = onFailure)` (see [fold]).\n
             */\n
            @InlineOnly\n
            @SinceKotlin(\"1.3\")\n
            public inline fun <R, T :
            R> Result<T>.getOrElse(onFailure: (exception: Throwable) -> R): R {\n
                contract {\n
                    callsInPlace(onFailure,
                    InvocationKind.AT_MOST_ONCE)\n
                }\n
                return when (val exception = exceptionOrNull()) {\n
                    null ->
                    value as T\n
                    else -> onFailure(exception)\n
                }\n
            }\n
            /**\n
             * Returns the encapsulated value if this instance
             represents [success][Result.isSuccess] or the\n
             * [defaultValue] if it is [failure][Result.isFailure].\n
             */\n
            * This
             function is a shorthand for `getOrElse { defaultValue }` (see [getOrElse]).\n
             */\n
            @InlineOnly\n
            @SinceKotlin(\"1.3\")\n
            public inline fun <R, T : R> Result<T>.getOrDefault(defaultValue: R):
            R {\n
                if (isFailure) return defaultValue\n
                return value as T\n
            }\n
            /**\n
             * Returns the result of [onSuccess] for the
             encapsulated value if this instance represents [success][Result.isSuccess]\n
             * or the result of [onFailure] function for
             the encapsulated [Throwable] exception if it is [failure][Result.isFailure].\n
             */\n
            * Note, that this function rethrows
             any [Throwable] exception thrown by [onSuccess] or by [onFailure] function.\n
             */\n
            @InlineOnly\n
            @SinceKotlin(\"1.3\")\n
            public inline fun <R, T> Result<T>.fold(\n
                onSuccess: (value: T) ->
                R,\n
                onFailure: (exception: Throwable) -> R): R {\n
                contract {\n
                    callsInPlace(onSuccess,
                    InvocationKind.AT_MOST_ONCE)\n
                    callsInPlace(onFailure, InvocationKind.AT_MOST_ONCE)\n
                }\n
            }

```

```

return when (val exception = exceptionOrNull()) { \n    null -> onSuccess(value as T)\n    else ->
onFailure(exception)\n    }\n}\n\n// transformation\n\n/**\n * Returns the encapsulated result of the given
[transform] function applied to the encapsulated value\n * if this instance represents [success][Result.isSuccess] or
the\n * original encapsulated [Throwable] exception if it is [failure][Result.isFailure].\n *\n * Note, that this function
rethrows any [Throwable] exception thrown by [transform] function.\n * See [mapCatching] for an alternative that
encapsulates exceptions.\n *\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <R, T>
Result<T>.map(transform: (value: T) -> R): Result<R> {\n    contract {\n        callsInPlace(transform,
InvocationKind.AT_MOST_ONCE)\n    }\n    return when {\n        isSuccess -> Result.success(transform(value as
T))\n        else -> Result(value)\n    }\n}\n\n/**\n * Returns the encapsulated result of the given [transform] function
applied to the encapsulated value\n * if this instance represents [success][Result.isSuccess] or the\n * original
encapsulated [Throwable] exception if it is [failure][Result.isFailure].\n *\n * This function catches any [Throwable]
exception thrown by [transform] function and encapsulates it as a failure.\n *\n * See [map] for an alternative that
rethrows exceptions from `transform` function.\n *\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <R,
T> Result<T>.mapCatching(transform: (value: T) -> R): Result<R> {\n    return when {\n        isSuccess ->
runCatching { transform(value as T) }\n        else -> Result(value)\n    }\n}\n\n/**\n * Returns the encapsulated
result of the given [transform] function applied to the encapsulated [Throwable] exception\n * if this instance
represents [failure][Result.isFailure] or the\n * original encapsulated value if it is [success][Result.isSuccess].\n *\n * Note, that this function rethrows any [Throwable] exception thrown by [transform] function.\n * See
[recoverCatching] for an alternative that encapsulates exceptions.\n
*\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <R, T : R> Result<T>.recover(transform: (exception:
Throwable) -> R): Result<R> {\n    contract {\n        callsInPlace(transform, InvocationKind.AT_MOST_ONCE)\n    }\n    return when (val exception = exceptionOrNull()) {\n        null -> this\n        else ->
Result.success(transform(exception))\n    }\n}\n\n/**\n * Returns the encapsulated result of the given [transform]
function applied to the encapsulated [Throwable] exception\n * if this instance represents [failure][Result.isFailure]
or the\n * original encapsulated value if it is [success][Result.isSuccess].\n *\n * This function catches any
[Throwable] exception thrown by [transform] function and encapsulates it as a failure.\n *\n * See [recover] for an
alternative that rethrows exceptions.\n *\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <R, T : R>
Result<T>.recoverCatching(transform: (exception: Throwable) -> R): Result<R> {\n    return when (val exception =
exceptionOrNull()) {\n        null -> this\n        else -> runCatching { transform(exception) }\n    }\n}\n\n// "peek"
onto value/exception and pipe\n\n/**\n * Performs the given [action] on the encapsulated [Throwable] exception if
this instance represents [failure][Result.isFailure].\n * Returns the original `Result` unchanged.\n
*\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <T> Result<T>.onFailure(action: (exception:
Throwable) -> Unit): Result<T> {\n    contract {\n        callsInPlace(action, InvocationKind.AT_MOST_ONCE)\n    }\n    exceptionOrNull()?.let { action(it) }\n    return this\n}\n\n/**\n * Performs the given [action] on the
encapsulated value if this instance represents [success][Result.isSuccess].\n * Returns the original `Result`
unchanged.\n *\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <T> Result<T>.onSuccess(action: (value:
T) -> Unit): Result<T> {\n    contract {\n        callsInPlace(action, InvocationKind.AT_MOST_ONCE)\n    }\n    if
(isSuccess) action(value as T)\n    return this\n}\n\n// -----\n\n"/*\n * Copyright 2010-2020 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n *\n@n\npackage kotlin.coroutines\n\nimport
kotlin.contracts.*\nimport kotlin.coroutines.intrinsics.*\nimport kotlin.internal.InlineOnly\n\n/**\n * Interface
representing a continuation after a suspension point that returns a value of type `T`.\n
*\n@SinceKotlin("1.3")\npublic interface Continuation<in T> {\n    /**\n     * The context of the coroutine that
corresponds to this continuation.\n     *\n     * public val context: CoroutineContext\n     *\n     * Resumes the
execution of the corresponding coroutine passing a successful or failed [result] as the\n     * return value of the last
suspension point.\n     *\n     * public fun resumeWith(result: Result<T>)\n     *\n     * Classes and interfaces marked
with this annotation are restricted when used as receivers for extension\n     * `suspend` functions. These `suspend`
extensions can only invoke other member or extension `suspend` functions on this particular\n     * receiver and are

```



```

*\n@SinceKotlin("1.3")\n@Suppress("WRONG_MODIFIER_TARGET")\n@InlineOnly\npublic suspend inline
val coroutineContext: CoroutineContext\n    get() {\n        throw NotImplementedError("Implemented as
intrinsic")\n    }\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n
 * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
 */\n\npackage kotlin.coroutines.intrinsics\n\nimport kotlin.coroutines.*\nimport kotlin.internal.InlineOnly\n\n/**\n * Starts an unintercepted coroutine without a receiver and with result type [T] and executes it until its first
suspension.\n * Returns the result of the coroutine or throws its exception if it does not suspend or
[COROUTINE_SUSPENDED] if it suspends.\n * In the latter case, the [completion] continuation is invoked when
the coroutine completes with a result or an exception.\n * The coroutine is started directly in the invoker's thread
without going through the [ContinuationInterceptor] that might\n * be present in the completion's
[CoroutineContext]. It is the invoker's responsibility to ensure that a proper invocation\n * context is established.\n
*\n * This function is designed to be used from inside of [suspendCoroutineUninterceptedOrReturn] to resume the
execution of the suspended\n * coroutine using a reference to the suspending function.\n
*/\n\n@SinceKotlin("1.3")\n@InlineOnly\npublic actual inline fun <T> (suspend () ->
T).startCoroutineUninterceptedOrReturn(\n    completion: Continuation<T>\n): Any? =
this.asDynamic()(completion, false)\n\n/**\n * Starts an unintercepted coroutine with receiver type [R] and result
type [T] and executes it until its first suspension.\n * Returns the result of the coroutine or throws its exception if it
does not suspend or [COROUTINE_SUSPENDED] if it suspends.\n * In the latter case, the [completion]
continuation is invoked when the coroutine completes with a result or an exception.\n * The coroutine is started
directly in the invoker's thread without going through the [ContinuationInterceptor] that might\n * be present in the
completion's [CoroutineContext]. It is the invoker's responsibility to ensure that a proper invocation\n * context is
established.\n * This function is designed to be used from inside of [suspendCoroutineUninterceptedOrReturn]
to resume the execution of the suspended\n * coroutine using a reference to the suspending function.\n
*/\n\n@SinceKotlin("1.3")\n@InlineOnly\npublic actual inline fun <R, T> (suspend R.() ->
T).startCoroutineUninterceptedOrReturn(\n    receiver: R,\n    completion: Continuation<T>\n): Any? =
this.asDynamic()(receiver, completion, false)\n\n@InlineOnly\ninternal actual inline fun <R, P, T> (suspend R.(P) -
> T).startCoroutineUninterceptedOrReturn(\n    receiver: R,\n    param: P,\n    completion: Continuation<T>\n):
Any? = this.asDynamic()(receiver, param, completion, false)\n\n/**\n * Creates unintercepted coroutine without
receiver and with result type [T].\n * This function creates a new, fresh instance of suspendable computation every
time it is invoked.\n * To start executing the created coroutine, invoke `resume(Unit)` on the returned
[Continuation] instance.\n * The [completion] continuation is invoked when coroutine completes with result or
exception.\n * This function returns unintercepted continuation.\n * Invocation of `resume(Unit)` starts coroutine
immediately in the invoker's call stack without going through the\n * [ContinuationInterceptor] that might be present
in the completion's [CoroutineContext].\n * It is the invoker's responsibility to ensure that a proper invocation
context is established.\n * Note that [completion] of this function may get invoked in an arbitrary context.\n *
[Continuation.intercepted] can be used to acquire the intercepted continuation.\n * Invocation of `resume(Unit)` on
intercepted continuation guarantees that execution of\n * both the coroutine and [completion] happens in the
invocation context established by\n * [ContinuationInterceptor].\n * Repeated invocation of any resume function
on the resulting continuation corrupts the\n * state machine of the coroutine and may result in arbitrary behaviour or
exception.\n
*/\n\n@SinceKotlin("1.3")\npublic actual fun <T> (suspend () -> T).createCoroutineUnintercepted(\n
    completion: Continuation<T>\n): Continuation<Unit> =\n    // Kotlin/JS suspend lambdas have an extra parameter
`suspended`\n    if (this.asDynamic().length == 2) {\n        // When `suspended` is true the continuation is created,
but not executed\n        this.asDynamic()(completion, true)\n    } else {\n
createCoroutineFromSuspendFunction(completion) {\n        this.asDynamic()(completion)\n    }\n}\n\n/**\n * Creates unintercepted coroutine with receiver type [R] and result type [T].\n * This function creates a new, fresh
instance of suspendable computation every time it is invoked.\n * To start executing the created coroutine,
invoke `resume(Unit)` on the returned [Continuation] instance.\n * The [completion] continuation is invoked when
coroutine completes with result or exception.\n * This function returns unintercepted continuation.\n

```



```

cause)\n\npublic actual open class IllegalStateException actual constructor(message: String?, cause: Throwable?)
: RuntimeException(message, cause) {\n  actual constructor() : this(null, null)\n  actual constructor(message:
String?) : this(message, null)\n  actual constructor(cause: Throwable?) : this(undefine, cause)\n}\n\npublic actual
open class IndexOutOfBoundsException actual constructor(message: String?) : RuntimeException(message) {\n
actual constructor() : this(null)\n}\n\npublic actual open class ConcurrentModificationException actual
constructor(message: String?, cause: Throwable?) : RuntimeException(message, cause) {\n  actual constructor() :
this(null, null)\n  actual constructor(message: String?) : this(message, null)\n  actual constructor(cause:
Throwable?) : this(undefine, cause)\n}\n\npublic actual open class UnsupportedOperationException actual
constructor(message: String?, cause: Throwable?) : RuntimeException(message, cause) {\n  actual constructor() :
this(null, null)\n  actual constructor(message: String?) : this(message, null)\n  actual constructor(cause:
Throwable?) : this(undefine, cause)\n}\n\npublic actual open class NumberFormatException actual
constructor(message: String?) : IllegalArgumentException(message) {\n  actual constructor() :
this(null)\n}\n\npublic actual open class NullPointerException actual constructor(message: String?) :
RuntimeException(message) {\n  actual constructor() : this(null)\n}\n\npublic actual open class
ClassCastException actual constructor(message: String?) : RuntimeException(message) {\n  actual constructor() :
this(null)\n}\n\npublic actual open class AssertionError\n@SinceKotlin("1.4")\nconstructor(message: String?,
cause: Throwable?) : Error(message, cause) {\n  actual constructor() : this(null)\n  constructor(message: String?) :
this(message, null)\n  actual constructor(message: Any?) : this(message.toString(), message as?
Throwable)\n}\n\npublic actual open class NoSuchElementException actual constructor(message: String?) :
RuntimeException(message) {\n  actual constructor() : this(null)\n}\n\n@SinceKotlin("1.3")\npublic actual open
class ArithmeticException actual constructor(message: String?) : RuntimeException(message) {\n  actual
constructor() : this(null)\n}\n\npublic actual open class NoWhenBranchMatchedException actual
constructor(message: String?, cause: Throwable?) : RuntimeException(message, cause) {\n  actual constructor() :
this(null, null)\n  actual constructor(message: String?) : this(message, null)\n  actual constructor(cause:
Throwable?) : this(undefine, cause)\n}\n\npublic actual open class UninitializedPropertyAccessException actual
constructor(message: String?, cause: Throwable?) : RuntimeException(message, cause) {\n  actual constructor() :
this(null, null)\n  actual constructor(message: String?) : this(message, null)\n  actual constructor(cause:
Throwable?) : this(undefine, cause)\n}\n", "/*\n * Copyright 2010-2019 JetBrains s.r.o. Use of this source code is
governed by the Apache 2.0 license\n * that can be found in the license/LICENSE.txt file.\n
*\n\n@file:Suppress("UNUSED_PARAMETER")\n\npackage kotlin.js\n\n@kotlin.internal.InlineOnly\n\ninternal
inline fun jsDeleteProperty(obj: Any, property: Any) {\n  js("delete
obj[property]")\n}\n\n@kotlin.internal.InlineOnly\n\ninternal inline fun jsBitwiseOr(lhs: Any?, rhs: Any?): Int =\n
js("lhs | rhs").unsafeCast<Int>()", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n\npackage kotlin.math\n\n/**\n * Returns this value with the sign bit same as of the
[sign] value.\n *\n * If [sign] is `NaN` the sign of the result is undefined.\n *\n\n@SinceKotlin("1.2")\n\npublic actual
fun Double.withSign(sign: Double): Double {\n  val thisSignBit =
js("Kotlin").doubleSignBit(this).unsafeCast<Int>()\n  val newSignBit =
js("Kotlin").doubleSignBit(sign).unsafeCast<Int>()\n  return if (thisSignBit == newSignBit) this else -
this}\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\npackage kotlin\n\n/**\n * Returns a bit representation of the specified floating-point value as [Long]\n *
according to the IEEE 754 floating-point "double format" bit layout.\n
*\n\n@SinceKotlin("1.2")\n\n@library("doubleToBits")\n\npublic actual fun Double.toBits(): Long =
definedExternally\n\n/**\n * Returns a bit representation of the specified floating-point value as [Long]\n *
according to the IEEE 754 floating-point "double format" bit layout,\n * preserving `NaN` values exact layout.\n
*\n\n@SinceKotlin("1.2")\n\n@library("doubleToRawBits")\n\npublic actual fun Double.toRawBits(): Long =
definedExternally\n\n/**\n * Returns the [Double] value corresponding to a given bit representation.\n

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*\/n@SinceKotlin("1.2")n@kotlin.internal.InlineOnlynpublic actual inline fun Double.Companion.fromBits(bits:
Long): Double = js("Kotlin").doubleFromBits(bits).unsafeCast<Double>()n/n/**n * Returns a bit representation
of the specified floating-point value as [Int]n * according to the IEEE 754 floating-point "single format" bit
layout.n *n * Note that in Kotlin/JS [Float] range is wider than "single format" bit layout can represent,n * so
some [Float] values may overflow, underflow or lose their accuracy after conversion to bits and back.n
*\/n@SinceKotlin("1.2")n@library("floatToBits")npublic actual fun Float.toBits(): Int =
definedExternallyn/n/**n * Returns a bit representation of the specified floating-point value as [Int]n * according
to the IEEE 754 floating-point "single format" bit layout,n * preserving `NaN` values exact layout.n *n * Note
that in Kotlin/JS [Float] range is wider than "single format" bit layout can represent,n * so some [Float] values
may overflow, underflow or lose their accuracy after conversion to bits and back.n
*\/n@SinceKotlin("1.2")n@library("floatToRawBits")npublic actual fun Float.toRawBits(): Int =
definedExternallyn/n/**n * Returns the [Float] value corresponding to a given bit representation.n
*\/n@SinceKotlin("1.2")n@kotlin.internal.InlineOnlynpublic actual inline fun Float.Companion.fromBits(bits:
Int): Float =
js("Kotlin").floatFromBits(bits).unsafeCast<Float>()n/n@Suppress("NOTHING_TO_INLINE")ninternal
inline fun Long(low: Int, high: Int) = js("Kotlin").Long.fromBits(low, high).unsafeCast<Long>()ninternal inline
val Long.low: Int get() = this.asDynamic().getLowBits().unsafeCast<Int>()ninternal inline val Long.high: Int get()
= this.asDynamic().getHighBits().unsafeCast<Int>()n/n/**n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin
Programming Language contributors.n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.n *\/nimport kotlin.reflect.KClassn/n@PublishedApi\ninternal fun <T :
Annotation> KClass<*>.findAssociatedObject(@Suppress("UNUSED_PARAMETER") annotationClass:
KClass<T>): Any? {n // This API is not supported in js-v1. Return `null` to be source-compatible with js-ir.n
return nulln}n/n/**n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.n *
Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.n
*\/n\npackage kotlin.text\n/n/**n * Returns a string representation of this [Long] value in the specified [radix].n
*n * @throws IllegalArgumentException when [radix] is not a valid radix for number to string conversion.n
*\/n@SinceKotlin("1.2")npublic actual fun Long.toString(radix: Int): String =
asDynamic().toString(checkRadix(radix)),/*n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming
Language contributors.n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.n *\/n\npackage kotlin.text\n/n// NOTE: THIS FILE IS AUTO-GENERATED by the
GenerateUnicodeData.kt\n// See: https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n/n// 1343 ranges
totally\nprivate object Category {n val decodedRangeStart: IntArray\n val decodedRangeCategory: IntArray\n
n init {n val toBase64 =
"ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/"n val fromBase64 =
IntArray(128)n for (i in toBase64.indices) {n fromBase64[toBase64[i].code] = i\n }n \n //
rangeStartDiff.length = 1482\n val rangeStartDiff =
"gBCFEDCKCDCaDDaDBhBCEEDDDDEDXBHYBH5BRwBGDCHDCIDFHDCHFDCDEIRTEE7BGHDDJI
CBbSEMOfGERwDEDDDDDECEFCRBjHBFDCYFFCCzBvBjBBFC3BOhDBmBDGpBDDCtBBJlBEECLGDFC
LDCgBBKVKEDiDDHCFECECKCEODBeC5CLBOKhBJDDDDWEBHFCFCPBZDEL1BVBSLPBgBB2BDB
DICFBHKCKCPDBHEDWBHEDDDDEDEDIBDGDCCKCGDDDCGECCWBFMDDCDEDDCHDDHKDDBK
DBHFCWBFGBDDDFEDBPDDKCHBGDCHEDWBFGBDCEDEDBHDDGDCKCGJEGDBFDDDFDDDDME
FDBFDCGBOKDFDFDCGFCXBQDDDDDBEGEDFDDKHBHDDGFCXBKBFCEFCFCHCHECCKDNCCHFC
oBEDECFFDDDDHDCKJBGDCSDYBJEHBFDDEBIGKDCMuBFHEBGBIBKCKbBFBFbXEIFJDFDGCKCEgB
BDPEDGKKGECIBkBEObDFLbKBIBIEFFECIBrBCEBEGDBKGGDDDDDDCHDENDCFEKDDIBDDFrBCD
pKBECGEECPBBEChBBECGEECPB5BBECjCCDJUDQKG2CCGDsTCRbaCDrCDDIHNBEDLSDCJSCMLFC
CM0BDHGFLLBFDDKKGKGEFDDDBKGjBB1BHfChBDFmCKfDDDDDDCGDCFDKcFLsBEaGKBdiBXDDD1
BDGDEIGJEKGGKHBGCMF/BEbvCEDDDFHEKHkJJDDDeDDGDkSbFEDCIEkBIICCFDKDDKeGcJHrBCDI
IDBNBHEBEFDBFsB/BNbiBIB6BBF1EIiDJGCGCIIIIGCGCIIIIOCIIIIIDFEDDBFEDDDDEBDIFDDFEDBLF

```



```

return result\n}\n", "/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n *
Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\npackage kotlin.collections\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the
GenerateStandardLib.kt\n// See: https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport
kotlin.js.*\nimport kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Reverses elements in the list in-
place.\n */\npublic actual fun <T> MutableList<T>.reverse(): Unit {\n    val midPoint = (size / 2) - 1\n    if
(midPoint < 0) return\n    var reverseIndex = lastIndex\n    for (index in 0..midPoint) {\n        val tmp = this[index]\n
        this[index] = this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    }\n}\n\n", "/*\n *
Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage
kotlin.text\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateUnicodeData.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\n// 37 ranges totally\nprivate object Digit {\n
internal val rangeStart = intArrayOf(\n    0x0030, 0x0660, 0x06f0, 0x07c0, 0x0966, 0x09e6, 0x0a66, 0x0ae6,
0x0b66, 0x0be6, 0x0c66, 0x0ce6, 0x0d66, 0x0de6, 0x0e50, 0x0ed0, 0x0f20, 0x1040, 0x1090, 0x17e0, \n
0x1810, 0x1946, 0x19d0, 0x1a80, 0x1a90, 0x1b50, 0x1bb0, 0x1c40, 0x1c50, 0xa620, 0xa8d0, 0xa900, 0xa9d0,
0xa9f0, 0xaa50, 0xabf0, 0xff10, \n    )\n}\n\n/**\n * Returns the index of the largest element in [array] smaller or
equal to the specified [needle],\n * or -1 if [needle] is smaller than the smallest element in [array].\n */\ninternal fun
binarySearchRange(array: IntArray, needle: Int): Int {\n    var bottom = 0\n    var top = array.size - 1\n    var middle
= -1\n    var value = 0\n    while (bottom <= top) {\n        middle = (bottom + top) / 2\n        value = array[middle]\n
        if (needle > value)\n            bottom = middle + 1\n        else if (needle == value)\n            return middle\n
        else\n            top = middle - 1\n    }\n    return middle - (if (needle < value) 1 else 0)\n}\n\n/**\n * Returns an integer
from 0..9 indicating the digit this character represents,\n * or -1 if this character is not a digit.\n */\ninternal fun
Char.digitToIntImpl(): Int {\n    val ch = this.code\n    val index = binarySearchRange(Digit.rangeStart, ch)\n    val
diff = ch - Digit.rangeStart[index]\n    return if (diff < 10) diff else -1\n}\n\n/**\n * Returns `true` if this character
is a digit.\n */\ninternal fun Char.isDigitImpl(): Boolean {\n    return digitToIntImpl() >= 0\n}\n\n", "/*\n * Copyright
2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.text\n\n/\n//
NOTE: THIS FILE IS AUTO-GENERATED by the GenerateUnicodeData.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\n// 222 ranges totally\nprivate object Letter {\n
val decodedRangeStart: IntArray\n    val decodedRangeLength: IntArray\n    val decodedRangeCategory: IntArray\n
\n    init {\n        val toBase64 =
\"ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/\n        val fromBase64 =
IntArray(128)\n        for (i in toBase64.indices) {\n            fromBase64[toBase64[i].code] = i\n        }\n        //
rangeStartDiff.length = 356\n        val rangeStartDiff =
\"hCgBpCQGYHZH5BRpBPPPPPRMP5BPPICPP6BkEPPPPcXPzBvBrB3BOiDoBHwD+E3DauCnFmBmB2D
6E1BIBTiBmBIBP5BhBiBrBvBjBqBnBPRtBiCmCtBIB0BmB5BiB7BmBgEmChBZgCoEoGVpBSfRhBPqKQ2B
wBYoFgB4CJuTiEvBuCuDrF5DgEgFIJ1DgFmBQtBsBRGsB+BPiBID1EijDPRPPPPPPPPPGQSQS/DxENVNU+
B9zCwBwBPPCkDPNnBPqDYY1R8B7FkFgTgwGgwUwmBgKwBuBScmEP/BPPPPPrBP8B7F1B/ErBqC6B7B
iBmBfQsBUwCw/KwqIwLwETPcPjQgJxfgBIBsD\"\n        val diff = decodeVarLenBase64(rangeStartDiff,
fromBase64, 222)\n        val start = IntArray(diff.size)\n        for (i in diff.indices) {\n            if (i == 0) start[i] =
diff[i]\n            else start[i] = start[i - 1] + diff[i]\n        }\n        decodedRangeStart = start\n        //
rangeLength.length = 328\n        val rangeLength =
\"aaMBXHYH5BRpBPPPPPRMP5BPPICPPzBDOOPPcXPzBvBjB3BOhDmBBpB7DoDYxB+EiBP1DoExBkB
QhBekBpMbgBhBctBiBMWOOXhCsBpBkBUV3Ba4BkB0DICgBXgBtD4FSdBfPhBpKP0BvBXJEQ2CGsT8Dh
BtCqDpFvD1D3E0IrD2EkBjRBDObS+BpIBIB1EijDPPPPPPPPPPPGPPMNLsBNPNPKCvBvBPPCkDPBmBPh
DXXgD4B6FzEgDguG9vUtkB9JcuBSckEP/BPPPPPPBPf4FrBjEhBpC3B5BKaWPrBOWck/KsCuLqDHPbPxPsFt
EaaqDL\"\n        decodedRangeLength = decodeVarLenBase64(rangeLength, fromBase64, 222)\n        //
rangeCategory.length = 959\n        val rangeCategory =

```



```

sequence.\n * \n * @sample samples.collections.Collections.Elements.elementAt\n */\npublic actual fun
CharSequence.elementAt(index: Int): Char {\n    return elementAtOrElse(index) { throw
IndexOutOfBoundsException("index: $index, length: $length}") }\n}\n\n"/*\n * Copyright 2010-2021 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.text\n\n/\n NOTE: THIS FILE IS
AUTO-GENERATED by the GenerateUnicodeData.kt\n/\n See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n/\n\n// 4 ranges totally\n\ninternal fun
Char.titlecaseCharImpl(): Char {\n    val code = this.code\n    // Letters repeating <Lu, Lt, Ll> sequence and code of
the Lt is a multiple of 3, e.g. <\u01c4, \u01c5, \u01c6>\n    if (code in 0x01c4..0x01cc || code in 0x01f1..0x01f3) {\n
return (3 * ((code + 1) / 3)).toChar()\n    }\n    // Lower case letters whose title case mapping equivalent is equal
to the original letter\n    if (code in 0x10d0..0x10fa || code in 0x10fd..0x10ff) {\n        return this\n    }\n    return
uppercaseChar()\n}\n"/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.collections\n\n/\n NOTE: THIS FILE IS AUTO-GENERATED
by the GenerateStandardLib.kt\n/\n See: https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n/\n\nimport
kotlin.js.*\nimport kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Returns an element at the given
[index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAt\n
*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun UIntArray.elementAt(index: Int):
UInt {\n    return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size") }\n}\n}\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.elementAt\n
*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun ULongArray.elementAt(index: Int):
ULong {\n    return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size") }\n}\n}\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.elementAt\n
*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun UByteArray.elementAt(index: Int):
UByte {\n    return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size") }\n}\n}\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.elementAt\n
*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun UShortArray.elementAt(index: Int):
UShort {\n    return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size") }\n}\n}\n\n/**\n * Returns a [List] that wraps the original array.\n
*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun UIntArray.asList(): List<UInt> {\n
return object : AbstractList<UInt>(), RandomAccess {\n    override val size: Int get() = this@asList.size\n
override fun isEmpty(): Boolean = this@asList.isEmpty()\n    override fun contains(element: UInt): Boolean =
this@asList.contains(element)\n    override fun get(index: Int): UInt {\n
AbstractList.checkElementIndex(index, size)\n        return this@asList[index]\n    }\n    override fun
indexOf(element: UInt): Int {\n        @Suppress("USELESS_CAST")\n        if ((element as Any?) !is UInt)
return -1\n        return this@asList.indexOf(element)\n    }\n    override fun lastIndexOf(element: UInt): Int
{\n        @Suppress("USELESS_CAST")\n        if ((element as Any?) !is UInt) return -1\n        return
this@asList.lastIndexOf(element)\n    }\n}\n}\n\n/**\n * Returns a [List] that wraps the original array.\n
*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun ULongArray.asList(): List<ULong>
{\n    return object : AbstractList<ULong>(), RandomAccess {\n    override val size: Int get() = this@asList.size\n
override fun isEmpty(): Boolean = this@asList.isEmpty()\n    override fun contains(element: ULong):
Boolean = this@asList.contains(element)\n    override fun get(index: Int): ULong {\n
AbstractList.checkElementIndex(index, size)\n        return this@asList[index]\n    }\n    override fun
indexOf(element: ULong): Int {\n        @Suppress("USELESS_CAST")\n        if ((element as Any?) !is

```





```

*\n@ExperimentalJsExport\n@Retention(AnnotationRetention.BINARY)\n@Target(CLASS, PROPERTY,
FUNCTION, FILE)\n@SinceKotlin("1.3")\npublic actual annotation class JsExport\n\n/**\n * Forces a top-level
property to be initialized eagerly, opposed to lazily on the first access to file and/or property.\n
*\n@ExperimentalStdlibApi\n@Retention(AnnotationRetention.BINARY)\n@Target(AnnotationTarget.PROPER
TY)\n@SinceKotlin("1.6")\n@Deprecated("This annotation is a temporal migration assistance and may be
removed in the future releases, please consider filing an issue about the case where it is needed")\npublic annotation
class EagerInitialization\n\n/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n\npackage kotlin.jvm\n\n// these are used in common generated code in stdlib\n\n//
TODO: find how to deprecate these
ones\n\n@Target(AnnotationTarget.FIELD)\n@Retention(AnnotationRetention.SOURCE)\npublic actual
annotation class Volatile\n\n@Target(AnnotationTarget.FUNCTION, AnnotationTarget.PROPERTY_GETTER,
AnnotationTarget.PROPERTY_SETTER)\n@Retention(AnnotationRetention.SOURCE)\npublic actual annotation
class Synchronized\n\n/**\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n\npackage kotlin.collections\n\n/**\n * Provides a skeletal implementation of the
[MutableCollection] interface.\n *\n * @param E the type of elements contained in the collection. The collection is
invariant in its element type.\n *\n\npublic actual abstract class AbstractMutableCollection<E> protected actual
constructor() : AbstractCollection<E>(), MutableCollection<E> {\n\n    actual abstract override fun add(element: E):
Boolean\n\n    actual override fun remove(element: E): Boolean {\n        checkIsMutable()\n        val iterator =
iterator()\n        while (iterator.hasNext()) {\n            if (iterator.next() == element) {\n                iterator.remove()\n
                return true\n            }\n        }\n        return false\n    }\n\n    actual override fun addAll(elements:
Collection<E>): Boolean {\n        checkIsMutable()\n        var modified = false\n        for (element in elements) {\n
            if (add(element)) modified = true\n        }\n        return modified\n    }\n\n    actual override fun
removeAll(elements: Collection<E>): Boolean {\n        checkIsMutable()\n        return (this as
MutableIterable<E>).removeAll { it in elements }\n    }\n\n    actual override fun retainAll(elements:
Collection<E>): Boolean {\n        checkIsMutable()\n        return (this as MutableIterable<E>).removeAll { it !in
elements }\n    }\n\n    actual override fun clear(): Unit {\n        checkIsMutable()\n        val iterator = this.iterator()\n
        while (iterator.hasNext()) {\n            iterator.next()\n            iterator.remove()\n        }\n    }\n\n
@Deprecated("Provided so that subclasses inherit this function", level = DeprecationLevel.HIDDEN)\n
@jsName("toJSON")\n    protected fun toJSON(): Any = this.toArray()\n\n\n    /**\n     * This method is called
every time when a mutating method is called on this mutable collection.\n     * Mutable collections that are built
(frozen) must throw `UnsupportedOperationException`.\n     *\n     * internal open fun checkIsMutable(): Unit {
}\n\n\n    /**\n     * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n     * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n     *\n
*\n     *\n     * Based on GWT AbstractList\n     * Copyright 2007 Google Inc.\n     *\n\n\npackage
kotlin.collections\n\n/**\n * Provides a skeletal implementation of the [MutableList] interface.\n *\n * @param E
the type of elements contained in the list. The list is invariant in its element type.\n *\n\npublic actual abstract class
AbstractMutableList<E> protected actual constructor() : AbstractMutableCollection<E>(), MutableList<E> {\n\n
    protected var modCount: Int = 0\n\n    abstract override fun add(index: Int, element: E): Unit\n    abstract override
fun removeAt(index: Int): E\n    abstract override fun set(index: Int, element: E): E\n\n\n    /**\n     * Adds the
specified element to the end of this list.\n     * \n     * @return `true` because the list is always modified as the result
of this operation.\n     *\n     *\n     * actual override fun add(element: E): Boolean {\n        checkIsMutable()\n
        add(size, element)\n        return true\n    }\n\n    actual override fun addAll(index: Int, elements: Collection<E>): Boolean {\n
        AbstractList.checkPositionIndex(index, size)\n        checkIsMutable()\n        var _index = index\n        var
changed = false\n        for (e in elements) {\n            add(_index++, e)\n            changed = true\n        }\n        return
changed\n    }\n\n    actual override fun clear() {\n        checkIsMutable()\n        removeRange(0, size)\n    }\n\n
    actual override fun removeAll(elements: Collection<E>): Boolean {\n        checkIsMutable()\n        return

```



```

[put] function.\n * @param K the type of map keys. The map is invariant in its key type.\n * @param V the type
of map values. The map is invariant in its value type.\n */\npublic actual abstract class AbstractMutableMap<K, V>
protected actual constructor() : AbstractMap<K, V>(), MutableMap<K, V> {\n\n /**\n * A mutable
[Map.Entry] shared by several [Map] implementations.\n */\n internal open class SimpleEntry<K, V>(override
val key: K, value: V) : MutableMap.MutableEntry<K, V> {\n constructor(entry: Map.Entry<K, V>) :
this(entry.key, entry.value)\n private var _value = value\n override val value: V get() = _value\n
override fun setValue(newValue: V): V {\n // Should check if the map containing this entry is mutable.\n
// However, to not increase entry memory footprint it might be worthwhile not to check it here and\n //
force subclasses that implement `build()` (freezing) operation to implement their own `MutableEntry`.\n//
this@AbstractMutableMap.checkIsMutable()\n val oldValue = this._value\n this._value = newValue\n
return oldValue\n }\n\n override fun hashCode(): Int = entryHashCode(this)\n override fun
toString(): String = entryToString(this)\n override fun equals(other: Any?): Boolean = entryEquals(this,
other)\n\n }\n\n // intermediate abstract class to workaround KT-43321\n internal abstract class
AbstractEntrySet<E : Map.Entry<K, V>, K, V> : AbstractMutableSet<E>() {\n final override fun
contains(element: E): Boolean = containsEntry(element)\n abstract fun containsEntry(element: Map.Entry<K,
V>): Boolean\n final override fun remove(element: E): Boolean = removeEntry(element)\n abstract fun
removeEntry(element: Map.Entry<K, V>): Boolean\n }\n\n actual override fun clear() {\n entries.clear()\n
}\n\n private var _keys: MutableSet<K>? = null\n actual override val keys: MutableSet<K>\n get() {\n
if (_keys == null) {\n _keys = object : AbstractMutableSet<K>() {\n override fun
add(element: K): Boolean = throw UnsupportedOperationException("Add is not supported on keys")\n
override fun clear() {\n this@AbstractMutableMap.clear()\n }\n\n override
operator fun contains(element: K): Boolean = containsKey(element)\n\n override operator fun iterator():
MutableIterator<K> {\n val entryIterator = entries.iterator()\n return object :
MutableIterator<K> {\n override fun hasNext(): Boolean = entryIterator.hasNext()\n
override fun next(): K = entryIterator.next().key\n override fun remove() =
entryIterator.remove()\n }\n\n }\n\n override fun remove(element: K): Boolean
{\n checkIsMutable()\n if (containsKey(element)) {\n
this@AbstractMutableMap.remove(element)\n return true\n }\n\n return
false\n }\n\n override val size: Int get() = this@AbstractMutableMap.size\n\n
override fun checkIsMutable(): Unit = this@AbstractMutableMap.checkIsMutable()\n }\n\n }\n
return _keys!!\n }\n\n actual abstract override fun put(key: K, value: V): V?\n\n actual override fun
putAll(from: Map<out K, V>) {\n checkIsMutable()\n for ((key, value) in from) {\n put(key,
value)\n }\n }\n\n private var _values: MutableCollection<V>? = null\n actual override val values:
MutableCollection<V>\n get() {\n if (_values == null) {\n _values = object :
AbstractMutableCollection<V>() {\n override fun add(element: V): Boolean = throw
UnsupportedOperationException("Add is not supported on values")\n override fun clear() =
this@AbstractMutableMap.clear()\n\n override operator fun contains(element: V): Boolean =
containsValue(element)\n\n override operator fun iterator(): MutableIterator<V> {\n val
entryIterator = entries.iterator()\n return object : MutableIterator<V> {\n override fun
hasNext(): Boolean = entryIterator.hasNext()\n\n override fun next(): V = entryIterator.next().value\n
\n override fun remove() = entryIterator.remove()\n }\n\n }\n\n
override val size: Int get() = this@AbstractMutableMap.size\n\n override fun checkIsMutable(): Unit =
this@AbstractMutableMap.checkIsMutable()\n }\n\n }\n\n return _values!!\n }\n\n actual
override fun remove(key: K): V? {\n checkIsMutable()\n val iter = entries.iterator()\n while
(iter.hasNext()) {\n val entry = iter.next()\n val k = entry.key\n if (key == k) {\n val
value = entry.value\n iter.remove()\n return value\n }\n }\n\n return null\n }\n\n\n
/**\n * This method is called every time when a mutating method is called on this mutable map.\n * Mutable
maps that are built (frozen) must throw `UnsupportedOperationException`.\n */\n\n internal open fun

```

```

checkIsMutable(): Unit {}\n\n", "/*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\npackage kotlin.collections\n\n/**\n * Provides a skeletal implementation of the
[MutableSet] interface.\n *\n * @param E the type of elements contained in the set. The set is invariant in its
element type.\n */\npublic actual abstract class AbstractMutableSet<E> protected actual constructor() :
AbstractMutableCollection<E>(), MutableSet<E> {\n\n /**\n * Compares this set with another set instance with
the unordered structural equality.\n *\n * @return `true`, if [other] instance is a [Set] of the same size, all
elements of which are contained in this set.\n */\n override fun equals(other: Any?): Boolean {\n if (other
=== this) return true\n if (other !is Set<*>) return false\n return AbstractSet.setEquals(this, other)\n }\n\n
/**\n * Returns the hash code value for this set.\n */\n override fun hashCode(): Int =
AbstractSet.unorderedHashCode(this)\n\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\npackage kotlin.collections\n\n/**\n * Provides a [MutableList] implementation,
which uses a resizable array as its backing storage.\n *\n * This implementation doesn't provide a way to manage
capacity, as backing JS array is resizeable itself.\n * There is no speed advantage to pre-allocating array sizes in
JavaScript, so this implementation does not include any of the\n * capacity and "growth increment" concepts.\n
*/\npublic actual open class ArrayList<E> internal constructor(private var array: Array<Any?>) :
AbstractMutableList<E>(), MutableList<E>, RandomAccess {\n private var isReadOnly: Boolean = false\n\n
/**\n * Creates an empty [ArrayList].\n */\n public actual constructor() : this(emptyArray()) {} \n\n /**\n
* Creates an empty [ArrayList].\n * @param initialCapacity initial capacity (ignored)\n */\n public actual
constructor(initialCapacity: Int) : this(emptyArray()) {} \n\n /**\n * Creates an [ArrayList] filled from the
[elements] collection.\n */\n public actual constructor(elements: Collection<E>) :
this(elements.toArray<Any?>()) {} \n\n @PublishedApi\n internal fun build(): List<E> {\n
checkIsMutable()\n isReadOnly = true\n return this\n }\n\n /** Does nothing in this ArrayList
implementation. */\n public actual fun trimToSize() {} \n\n /** Does nothing in this ArrayList implementation.
*/\n public actual fun ensureCapacity(minCapacity: Int) {} \n\n actual override val size: Int get() = array.size\n
@Suppress("UNCHECKED_CAST")\n actual override fun get(index: Int): E = array[rangeCheck(index)] as E\n
actual override fun set(index: Int, element: E): E {\n checkIsMutable()\n rangeCheck(index)\n
@Suppress("UNCHECKED_CAST")\n return array[index].apply { array[index] = element } as E\n }\n\n
actual override fun add(element: E): Boolean {\n checkIsMutable()\n array.asDynamic().push(element)\n
modCount++\n return true\n }\n\n actual override fun add(index: Int, element: E): Unit {\n
checkIsMutable()\n array.asDynamic().splice(insertionRangeCheck(index), 0, element)\n modCount++\n
}\n\n actual override fun addAll(elements: Collection<E>): Boolean {\n checkIsMutable()\n if
(elements.isEmpty()) return false\n array += elements.toArray<Any?>()\n modCount++\n
return true\n }\n\n actual override fun addAll(index: Int, elements: Collection<E>): Boolean {\n
checkIsMutable()\n insertionRangeCheck(index)\n\n if (index == size) return addAll(elements)\n if
(elements.isEmpty()) return false\n when (index) {\n size -> return addAll(elements)\n 0 -> array
= elements.toArray<Any?>() + array\n else -> array = array.copyOfRange(0,
index).asDynamic().concat(elements.toArray<Any?>(), array.copyOfRange(index, size))\n }\n\n
modCount++\n return true\n }\n\n actual override fun removeAt(index: Int): E {\n checkIsMutable()\n
rangeCheck(index)\n modCount++\n return if (index == lastIndex)\n array.asDynamic().pop()\n
else\n array.asDynamic().splice(index, 1)[0]\n }\n\n actual override fun remove(element: E): Boolean {\n
checkIsMutable()\n for (index in array.indices) {\n if (array[index] == element) {\n
array.asDynamic().splice(index, 1)\n modCount++\n return true\n }\n }\n return
false\n }\n\n override fun removeRange(fromIndex: Int, toIndex: Int) {\n checkIsMutable()\n
modCount++\n array.asDynamic().splice(fromIndex, toIndex - fromIndex)\n }\n\n actual override fun
clear() {\n checkIsMutable()\n array = emptyArray()\n modCount++\n }\n\n\n actual override fun
indexOf(element: E): Int = array.indexOf(element)\n\n actual override fun lastIndexOf(element: E): Int =

```



```

-> 0\n        isArrayish(element) -> (element.unsafeCast<Array<*>>()).contentDeepHashCodeImpl()\n\n
element is UByteArray -> element.contentHashCode()\n        element is UShortArray ->
element.contentHashCode()\n        element is UIntArray -> element.contentHashCode()\n        element is
ULongArray -> element.contentHashCode()\n\n        else -> element.hashCode()\n    }\n\n
result = 31 * result + elementHash\n    }\n    return result\n}", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.collections\n\ninternal interface
EqualityComparator {\n    /**\n     * Subclasses must override to return a value indicating\n     * whether or not two
keys or values are equal.\n     */\n    abstract fun equals(value1: Any?, value2: Any?): Boolean\n\n    /**\n     *
Subclasses must override to return the hash code of a given key.\n     */\n    abstract fun getHashCode(value: Any?):
Int\n\n\n    object HashCode : EqualityComparator {\n        override fun equals(value1: Any?, value2: Any?):
Boolean = value1 == value2\n\n        override fun getHashCode(value: Any?): Int = value?.hashCode() ?: 0\n
    }\n}", "/*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this
source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n/*\n *
Based on GWT AbstractHashMap\n * Copyright 2008 Google Inc.\n */\n\npackage kotlin.collections\n\nimport
kotlin.collections.MutableMap.MutableEntry\n\n/**\n * Hash table based implementation of the [MutableMap]
interface.\n *\n * This implementation makes no guarantees regarding the order of enumeration of [keys], [values]
and [entries] collections.\n */\n\n// Classes that extend HashMap and implement `build()` (freezing) operation\n// have
to make sure mutating methods check `checkIsMutable`.\n\npublic actual open class HashMap<K, V> :
AbstractMutableMap<K, V>, MutableMap<K, V> {\n\n    private inner class EntrySet :
AbstractEntrySet<MutableEntry<K, V>, K, V>() {\n\n        override fun add(element: MutableEntry<K, V>):
Boolean = throw UnsupportedOperationException("Add is not supported on entries")\n\n        override fun clear()
{\n            this@HashMap.clear()\n        }\n\n        override fun containsEntry(element: Map.Entry<K, V>): Boolean
= this@HashMap.containsEntry(element)\n\n        override operator fun iterator():
MutableIterator<MutableEntry<K, V>> = internalMap.iterator()\n\n        override fun removeEntry(element:
Map.Entry<K, V>): Boolean {\n            if (contains(element)) {\n                this@HashMap.remove(element.key)\n
            }\n            return true\n        }\n\n        return false\n    }\n\n    override val size: Int get() =
this@HashMap.size\n    }\n\n\n    /**\n     * Internal implementation of the map: either string-based or hashcode-
based.\n     */\n    private val internalMap: InternalMap<K, V>\n\n    private val equality: EqualityComparator\n\n    internal constructor(internalMap: InternalMap<K, V>) : super() {\n        this.internalMap = internalMap\n
        this.equality = internalMap.equality\n    }\n\n    /**\n     * Constructs an empty [HashMap] instance.\n     */\n    actual constructor() : this(InternalHashCodeMap(EqualityComparator.HashCode))\n\n    /**\n     * Constructs an
empty [HashMap] instance.\n     *\n     * @param initialCapacity the initial capacity (ignored)\n     * @param
loadFactor the load factor (ignored)\n     *\n     * @throws IllegalArgumentException if the initial capacity or
load factor are negative\n     */\n    actual constructor(initialCapacity: Int, loadFactor: Float) : this() {\n        // This
implementation of HashMap has no need of load factors or capacities.\n        require(initialCapacity >= 0) {\n            "Negative initial capacity: $initialCapacity"\n        }\n        require(loadFactor >= 0) {\n            "Non-positive load factor:
$loadFactor"\n        }\n    }\n\n    actual constructor(initialCapacity: Int) : this(initialCapacity, 0.0f)\n\n    /**\n     *
Constructs an instance of [HashMap] filled with the contents of the specified [original] map.\n     */\n    actual
constructor(original: Map<out K, V>) : this() {\n        this.putAll(original)\n    }\n\n    actual override fun clear() {\n
        internalMap.clear()\n        // structureChanged(this)\n    }\n\n    actual override fun containsKey(key: K): Boolean
= internalMap.contains(key)\n\n    actual override fun containsValue(value: V): Boolean = internalMap.any {\n
        equality.equals(it.value, value)\n    }\n\n    private var _entries: MutableSet<MutableMap.MutableEntry<K, V>>? =
null\n\n    actual override val entries: MutableSet<MutableMap.MutableEntry<K, V>>\n        get() {\n            if
(_entries == null) {\n                _entries = createEntrySet()\n            }\n            return _entries!!\n        }\n\n    internal
open fun createEntrySet(): MutableSet<MutableMap.MutableEntry<K, V>> = EntrySet()\n\n    actual override
operator fun get(key: K): V? = internalMap.get(key)\n\n    actual override fun put(key: K, value: V): V? =
internalMap.put(key, value)\n\n    actual override fun remove(key: K): V? = internalMap.remove(key)\n\n    actual

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return null\n    }\n\n    override fun remove(key: K): V? {\n        val hashCode = equality.getHashCode(key)\n        val chainOrEntry = getChainOrEntryOrNull(hashCode) ?: return null\n        if (chainOrEntry !is Array<*>) {\n            val entry: MutableEntry<K, V> = chainOrEntry\n            if (equality.equals(entry.key, key)) {\n                jsDeleteProperty(backingMap, hashCode)\n                size--\n                return entry.value\n            } else {\n                return null\n            }\n        } else {\n            val chain: Array<MutableEntry<K, V>> = chainOrEntry\n            for (index in chain.indices) {\n                val entry = chain[index]\n                if (equality.equals(key, entry.key)) {\n                    if (chain.size == 1) {\n                        chain.asDynamic().length = 0\n                        // remove the whole array\n                        jsDeleteProperty(backingMap, hashCode)\n                    } else {\n                        // splice out the entry we're removing\n                        chain.asDynamic().splice(index, 1)\n                    }\n                    size--\n                    structureChanged(host)\n                    return entry.value\n                }\n            }\n            return null\n        }\n\n    override fun clear() {\n        backingMap = createJsMap()\n        size = 0\n    }\n\n    override fun contains(key: K): Boolean = getEntry(key) != null\n\n    override fun get(key: K): V? = getEntry(key)?.value\n\n    private fun getEntry(key: K): MutableEntry<K, V>? {\n        val chainOrEntry = getChainOrEntryOrNull(equality.getHashCode(key)) ?: return null\n        if (chainOrEntry !is Array<*>) {\n            val entry: MutableEntry<K, V> = chainOrEntry\n            if (equality.equals(entry.key, key)) {\n                return entry\n            } else {\n                return null\n            }\n        } else {\n            val chain: Array<MutableEntry<K, V>> = chainOrEntry\n            return chain.findEntryInChain(key)\n        }\n    }\n\n    private fun Array<MutableEntry<K, V>>.findEntryInChain(key: K): MutableEntry<K, V>? =\n        firstOrNull { entry -> equality.equals(entry.key, key) }\n\n    override fun iterator(): MutableIterator<MutableEntry<K, V>> {\n        return object : MutableIterator<MutableEntry<K, V>> {\n            var state = -1 // -1 not ready, 0 - ready, 1 - done\n            val keys: Array<String> = js("\\Object").keys(backingMap)\n            var keyIndex = -1\n            var chainOrEntry: dynamic = null\n            var isChain = false\n            var itemIndex = -1\n            var lastEntry: MutableEntry<K, V>? = null\n\n            private fun computeNext(): Int {\n                if (chainOrEntry != null && isChain) {\n                    val chainSize: Int = chainOrEntry.unsafeCast<Array<MutableEntry<K, V>>>().size\n                    if (++itemIndex < chainSize)\n                        return 0\n                }\n                if (++keyIndex < keys.size)\n                    {\n                        chainOrEntry = backingMap[keys[keyIndex]]\n                        isChain = chainOrEntry is Array<*>\n                        itemIndex = 0\n                        return 0\n                    } else {\n                        chainOrEntry = null\n                        return 1\n                    }\n            }\n\n            override fun hasNext(): Boolean {\n                if (state == -1)\n                    state = computeNext()\n                return state == 0\n            }\n\n            override fun next(): MutableEntry<K, V> {\n                if (!hasNext()) throw NoSuchElementException()\n                val lastEntry = if (isChain) {\n                    chainOrEntry.unsafeCast<Array<MutableEntry<K, V>>>()[itemIndex]\n                } else {\n                    chainOrEntry.unsafeCast<MutableEntry<K, V>>()\n                }\n                this.lastEntry = lastEntry\n                state = -1\n                return lastEntry\n            }\n\n            override fun remove() {\n                checkNotNull(lastEntry)\n                this@InternalHashMap.remove(lastEntry!!.key)\n                lastEntry = null\n                // the chain being iterated just got modified by InternalHashMap.remove\n                itemIndex--\n            }\n        }\n    }\n\n    private fun getChainOrEntryOrNull(hashCode: Int): dynamic {\n        val chainOrEntry = backingMap[hashCode]\n        return if (chainOrEntry === undefined) null else chainOrEntry\n    }\n\n}\n\n"/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.collections\n/**\n * The common interface of [InternalStringMap] and [InternalHashMap].\n */\ninternal interface InternalMap<K, V> : MutableIterable<MutableMap.MutableEntry<K, V>> {\n    val equality: EqualityComparator\n    val size: Int\n    operator fun contains(key: K): Boolean\n    operator fun get(key: K): V?\n    fun put(key: K, value: V): V?\n    fun remove(key: K): V?\n    fun clear(): Unit\n    fun createJsMap(): dynamic {\n        val result = js("\\Object.create(null)")\n        // force to switch object representation to dictionary mode\n        result["foo"] = 1\n        jsDeleteProperty(result, "foo")\n        return result\n    }\n}\n\n"/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n/**\n * Based on GWT InternalStringMap\n * Copyright

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2008 Google Inc.\n *\npackage kotlin.collections\n\nimport kotlin.collections.MutableMap.MutableEntry\n\n/**\n * A simple wrapper around JavaScript Map for key type is string.\n * Though this map is instantiated only with K=String, the K type is not fixed to String statically,\n * because we want to have it erased to Any? in order not to generate type-safe override bridges for\n * [get], [contains], [remove] etc, if they ever are generated.\n *\ninternal class InternalStringMap<K, V>(override val equality: EqualityComparator) : InternalMap<K, V> {\n\n    private var backingMap: dynamic = createJsMap()\n    override var size: Int = 0\n    private set\n\n    /**\n     * A mod count to track 'value' replacements in map to ensure that the 'value' that we have in the\n     * iterator entry is guaranteed to be still correct.\n     * This is to optimize for the common scenario where the values are not modified during\n     * iterations where the entries are never stale.\n     */\n    private var valueMod: Int = 0\n\n    override operator fun contains(key: K): Boolean {\n        if (key !is String) return false\n        return backingMap[key] !== undefined\n    }\n\n    override operator fun get(key: K): V? {\n        if (key !is String) return null\n        val value = backingMap[key]\n        return if (value !== undefined) value.unsafeCast<V>() else null\n    }\n\n    override fun put(key: K, value: V): V? {\n        require(key is String)\n        val oldValue = backingMap[key]\n        backingMap[key] = value\n        if (oldValue === undefined) {\n            size++\n\n            structureChanged(host)\n            return null\n        } else {\n            valueMod++\n            return oldValue.unsafeCast<V>()\n        }\n    }\n\n    override fun remove(key: K): V? {\n        if (key !is String) return null\n        val value = backingMap[key]\n        if (value !== undefined) {\n            jsDeleteProperty(backingMap, key)\n            size--\n            structureChanged(host)\n            return value.unsafeCast<V>()\n        } else {\n            valueMod++\n            return null\n        }\n    }\n\n    override fun clear() {\n        backingMap = createJsMap()\n        size = 0\n    }\n\n    override fun iterator(): MutableIterator<MutableEntry<K, V>> {\n        return object : MutableIterator<MutableEntry<K, V>> {\n            private val keys: Array<String> = js("Object").keys(backingMap)\n            private val iterator = keys.iterator()\n            private var lastKey: String? = null\n\n            override fun hasNext(): Boolean = iterator.hasNext()\n\n            override fun next(): MutableEntry<K, V> {\n                val key = iterator.next()\n                lastKey = key\n                @Suppress("UNCHECKED_CAST")\n                return newMapEntry(key as K)\n            }\n\n            override fun remove() {\n                @Suppress("UNCHECKED_CAST")\n                this@InternalStringMap.remove(checkNotNull(lastKey) as K)\n            }\n        }\n    }\n\n    private fun newMapEntry(key: K): MutableEntry<K, V> = object : MutableEntry<K, V> {\n        override val key: K get() = key\n        override val value: V get() = this@InternalStringMap[key].unsafeCast<V>()\n        override fun setValue(newValue: V): V = this@InternalStringMap.put(key, newValue).unsafeCast<V>()\n        override fun hashCode(): Int = AbstractMap.entryHashCode(this)\n        override fun toString(): String = AbstractMap.entryToString(this)\n        override fun equals(other: Any?): Boolean = AbstractMap.entryEquals(this, other)\n    }\n}\n\n"/>\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n *\n *\n * Based on GWT LinkedHashMap\n * Copyright 2008 Google Inc.\n *\npackage kotlin.collections\n\nimport kotlin.collections.MutableMap.MutableEntry\n\n/**\n * Hash table based implementation of the [MutableMap] interface, which additionally preserves the insertion order\n * of entries during the iteration.\n * The insertion order is preserved by maintaining a doubly-linked list of all of its entries.\n *\npublic actual open class LinkedHashMap<K, V> : HashMap<K, V>, MutableMap<K, V> {\n\n    /**\n     * The entry we use includes next/prev pointers for a doubly-linked circular\n     * list with a head node. This reduces the special cases we have to deal with\n     * in the list operations.\n     * Note that we duplicate the key from the underlying hash map so we can find\n     * the eldest entry. The alternative would have been to modify HashMap so more\n     * of the code was directly usable here, but this would have added some\n     * overhead to HashMap, or to reimplement most of the HashMap code here with\n     * small modifications. Paying a small storage cost only if you use\n     * LinkedHashMap and minimizing code size seemed like a better tradeoff.\n     */\n    private inner class ChainEntry<K, V>(key: K, value: V) : AbstractMutableMap.SimpleEntry<K, V>(key, value) {\n        internal var next: ChainEntry<K, V>? = null\n        internal var prev: ChainEntry<K, V>? = null\n        override fun setValue(newValue: V): V {\n            this@LinkedHashMap.checkIsMutable()\n            return

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super.setValue(new Value)\n    }\n    }\n    private inner class EntrySet : AbstractEntrySet<MutableEntry<K,
V>, K, V>() {\n        private inner class EntryIterator : MutableIterator<MutableEntry<K, V>> {\n            // The
last entry that was returned from this iterator.\n            private var last: ChainEntry<K, V>? = null\n            // The
next entry to return from this iterator.\n            private var next: ChainEntry<K, V>? = null\n            init {\n
next = head\n//            recordLastKnownStructure(map, this)\n            }\n            override fun hasNext():
Boolean {\n                return next != null\n            }\n            override fun next(): MutableEntry<K, V> {\n//
checkStructuralChange(map, this)\n                if (!hasNext()) throw NoSuchElementException()\n                val
current = next!!\n                last = current\n                next = current.next.takeIf { it != head }\n                return
current\n            }\n            override fun remove() {\n                check(last != null)\n
this@EntrySet.checkIsMutable()\n//                checkStructuralChange(map, this)\n                last!!.remove()\n
map.remove(last!!.key)\n//                recordLastKnownStructure(map, this)\n                last = null\n            }\n
}\n            override fun add(element: MutableEntry<K, V>): Boolean = throw
UnsupportedOperationException("Add is not supported on entries")\n        }\n        override fun clear() {\n
this@LinkedHashMap.clear()\n        }\n        override fun containsEntry(element: Map.Entry<K, V>): Boolean =
this@LinkedHashMap.containsEntry(element)\n        override operator fun iterator():
MutableIterator<MutableEntry<K, V>> = EntryIterator()\n        override fun removeEntry(element: Map.Entry<K,
V>): Boolean {\n            checkIsMutable()\n            if (contains(element)) {\n
this@LinkedHashMap.remove(element.key)\n                return true\n            }\n            return false\n        }\n
}\n        override val size: Int get() = this@LinkedHashMap.size\n        override fun checkIsMutable(): Unit =
this@LinkedHashMap.checkIsMutable()\n    }\n\n    /*\n     * The head of the insert order chain, which is a doubly-
linked circular\n     * list.\n     * The most recently inserted node is at the end of the chain, ie.\n     * chain.prev.\n     */\n    private var head: ChainEntry<K, V>? = null\n\n    /**\n     * Add this node to the end of the chain.\n     */\n    private fun ChainEntry<K, V>.addToEnd() {\n        // This entry is not in the list.\n        check(next == null && prev
== null)\n        val _head = head\n        if (_head == null) {\n            head = this\n            next = this\n            prev =
this\n        } else {\n            // Chain is valid.\n            val _tail = checkNotNull(_head.prev)\n            // Update me.\n
prev = _tail\n            next = _head\n            // Update my new siblings: current head and old tail\n
_head.prev = this\n            _tail.next = this\n        }\n    }\n\n    /**\n     * Remove this node from the chain it is a part
of.\n     */\n    private fun ChainEntry<K, V>.remove() {\n        if (this.next === this) {\n            // if this is single
element, remove head\n            head = null\n        } else {\n            if (head === this) {\n                // if this is first
element, move head to next\n                head = next\n            }\n            next!!.prev = prev\n            prev!!.next =
next\n        }\n        next = null\n        prev = null\n    }\n\n    /*\n     * The hashmap that keeps track of our entries and
the chain. Note that we\n     * duplicate the key here to eliminate changes to HashMap and minimize the\n     * code
here, at the expense of additional space.\n     */\n    private val map: HashMap<K, ChainEntry<K, V>>\n\n    private
var isReadOnly: Boolean = false\n\n    /**\n     * Constructs an empty [LinkedHashMap] instance.\n     */\n    actual
constructor() : super() {\n        map = HashMap<K, ChainEntry<K, V>>()\n    }\n\n    internal
constructor(backingMap: HashMap<K, Any>) : super() {\n        @SuppressWarnings("UNCHECKED_CAST") // expected
to work due to erasure\n        map = backingMap as HashMap<K, ChainEntry<K, V>>\n    }\n\n    /**\n     *
Constructs an empty [LinkedHashMap] instance.\n     */\n    * @param initialCapacity the initial capacity
(ignored)\n    * @param loadFactor the load factor (ignored)\n    * @throws IllegalArgumentException if
the initial capacity or load factor are negative\n    */\n    actual constructor(initialCapacity: Int, loadFactor: Float) :
super(initialCapacity, loadFactor) {\n        map = HashMap<K, ChainEntry<K, V>>()\n    }\n\n    actual
constructor(initialCapacity: Int) : this(initialCapacity, 0.0f)\n\n    /**\n     * Constructs an instance of
[LinkedHashMap] filled with the contents of the specified [original] map.\n     */\n    actual constructor(original:
Map<out K, V>) {\n        map = HashMap<K, ChainEntry<K, V>>()\n        this.putAll(original)\n    }\n\n    @PublishedApi\n    internal fun build(): Map<K, V> {\n        checkIsMutable()\n        isReadOnly = true\n
return this\n    }\n\n    actual override fun clear() {\n        checkIsMutable()\n        map.clear()\n        head = null\n
}\n\n// override fun clone(): Any {\n//     return LinkedHashMap(this)\n// }\n\n    actual override fun
containsKey(key: K): Boolean = map.containsKey(key)\n\n    actual override fun containsValue(value: V): Boolean

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{\n    var node: ChainEntry<K, V> = head ?: return false\n    do {\n        if (node.value == value) {\n
return true\n        }\n        node = node.next!!\n    } while (node != head)\n    return false\n } \n\n
internal override fun createEntrySet(): MutableSet<MutableMap.MutableEntry<K, V>> = EntrySet()\n
actual override operator fun get(key: K): V? = map.get(key)?.value\n
actual override fun put(key: K, value: V): V? {\n
    checkIsMutable()\n
    val old = map.get(key)\n
    if (old == null) {\n        val newEntry =
ChainEntry(key, value)\n        map.put(key, newEntry)\n        newEntry.addToEnd()\n        return null\n
    } else {\n        return old.setValue(value)\n    }\n}\n
actual override fun remove(key: K): V? {\n
checkIsMutable()\n
val entry = map.remove(key)\n
if (entry != null) {\n    entry.remove()\n
return entry.value\n
}\n
return null\n
}\n
actual override val size: Int get() = map.size\n
internal override fun checkIsMutable() {\n
    if (isReadOnly) throw UnsupportedOperationException()\n
}\n}\n\n
/*\n * Constructs the specialized implementation of [LinkedHashMap] with [String] keys, which stores the keys as
properties of\n * JS object without hashing them.\n */\n
public fun <V> linkedStringMapOf(vararg pairs:
Pair<String, V>): LinkedHashMap<String, V> {\n
    return LinkedHashMap<String,
V>(stringMapOf<Any>()).apply { putAll(pairs) }\n}\n\n
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Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\n
/*\n * Based on GWT LinkedHashMap\n * Copyright 2008 Google
Inc.\n */\n\n
package kotlin.collections\n\n\n
/*\n * The implementation of the [MutableSet] interface, backed by a
[LinkedHashMap] instance.\n * This implementation preserves the insertion order of elements during the
iteration.\n */\n\n
public actual open class LinkedHashMap<E> : HashSet<E>, MutableSet<E> {\n\n
    internal constructor(map: LinkedHashMap<E, Any>) : super(map)\n\n
    /*\n     * Constructs a new empty
[LinkedHashSet].\n     */\n
    actual constructor() : super(LinkedHashMap<E, Any>())\n\n
    /*\n     * Constructs a
new [LinkedHashSet] filled with the elements of the specified collection.\n     */\n
    actual constructor(elements: Collection<E>) : super(LinkedHashMap<E, Any>()) {\n
        addAll(elements)\n
    }\n\n
    /*\n     * Constructs a
new empty [LinkedHashSet].\n     */\n
    /*\n     * @param initialCapacity the initial capacity (ignored)\n     * @param
loadFactor the load factor (ignored)\n     */\n
    /*\n     * @throws IllegalArgumentException if the initial capacity or
load factor are negative\n     */\n
    actual constructor(initialCapacity: Int, loadFactor: Float) :
super(LinkedHashMap<E, Any>(initialCapacity, loadFactor))\n\n
    actual constructor(initialCapacity: Int) :
this(initialCapacity, 0.0f)\n\n
    @PublishedApi\n
    internal fun build(): Set<E> {\n
        (map as
LinkedHashMap<E, Any>).build()\n
        return this\n
    }\n\n
    internal override fun checkIsMutable(): Unit =
map.checkIsMutable()\n\n
    public override fun clone(): Any {\n\n
        return LinkedHashMap(this)\n\n
    }\n}\n\n
/*\n * Creates a new instance of the specialized implementation of [LinkedHashSet] with the specified
[String] elements,\n * which elements the keys as properties of JS object without hashing them.\n */\n\n
public fun
linkedStringSetOf(vararg elements: String): LinkedHashSet<String> {\n
    return
LinkedHashSet(linkedStringMapOf<Any>()).apply { addAll(elements) }\n}\n\n
/*\n * Copyright 2010-2020
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n
package kotlin\n\n
import
kotlin.contracts.*\n\n
@DeprecatedSinceKotlin(warningSince = \"1.6\")\n
@Deprecated(\"Synchronization on any
object is not supported in Kotlin/JS\",
ReplaceWith(\"run(block)\"))\n
@kotlin.internal.InlineOnly\n
@Suppress(\"UNUSED_PARAMETER\")\n
public inline fun <R> synchronized(lock: Any, block: () -> R): R {\n
    contract {\n
        callsInPlace(block,
InvocationKind.EXACTLY_ONCE)\n
    }\n
    return block()\n}\n\n
/*\n * Copyright 2010-2018 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\n
package kotlin.io\n\n
internal abstract class BaseOutput {\n
    open fun println() {\n
        print(\"\\n\")\n
    }\n\n
    open fun println(message: Any?) {\n
        print(message)\n
        println()\n
    }\n\n
    abstract fun print(message: Any?)\n\n
    open fun flush() {\n
    }\n}\n\n
/*\n * JsName used to make the
declaration available outside of module to test it\n */\n\n
@JsName(\"NodeJsOutput\")\n
internal class NodeJsOutput(val
outputStream: dynamic) : BaseOutput() {\n
    override fun print(message: Any?) {\n
        // TODO: Using local
variable because of bug in block decomposition lowering in IR backend\n
        val messageString =

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kotlin.coroutines.EmptyCoroutineContext\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal val
EmptyContinuation = Continuation<Any?>(EmptyCoroutineContext) { result ->\n    result.getOrThrow()\n}"/*\n
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is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage
kotlin.js\n\n/**\n * Exposes the [Date API](https://developer.mozilla.org/en-
US/docs/Web/JavaScript/Reference/Global_Objects/Date) to Kotlin.\n
*/\n\n@Suppress("NOT_DOCUMENTED")\npublic external class Date() {\n    public constructor(milliseconds:
Number)\n\n    public constructor(dateString: String)\n\n    public constructor(year: Int, month: Int)\n\n    public
constructor(year: Int, month: Int, day: Int)\n\n    public constructor(year: Int, month: Int, day: Int, hour: Int)\n\n
public constructor(year: Int, month: Int, day: Int, hour: Int, minute: Int)\n\n    public constructor(year: Int, month:
Int, day: Int, hour: Int, minute: Int, second: Int)\n\n    public constructor(year: Int, month: Int, day: Int, hour: Int,
minute: Int, second: Int, millisecond: Number)\n\n    public fun getDate(): Int\n\n    public fun getDay(): Int\n\n
public fun getFullYear(): Int\n\n    public fun getHours(): Int\n\n    public fun getMilliseconds(): Int\n\n    public fun
getMinutes(): Int\n\n    public fun getMonth(): Int\n\n    public fun getSeconds(): Int\n\n    public fun getTime():
Double\n\n    public fun getTimezoneOffset(): Int\n\n    public fun getUTCDate(): Int\n\n    public fun
getUTCDay(): Int\n\n    public fun getUTCFullYear(): Int\n\n    public fun getUTCHours(): Int\n\n    public fun
getUTCMilliseconds(): Int\n\n    public fun getUTCMinutes(): Int\n\n    public fun getUTCMonth(): Int\n\n    public
fun getUTCSeconds(): Int\n\n    public fun toDateString(): String\n\n    public fun toISOString(): String\n\n    public
fun toJSON(): Json\n\n    public fun toLocaleDateString(locales: Array<String> = definedExternally, options:
LocaleOptions = definedExternally): String\n\n    public fun toLocaleDateString(locales: String, options:
LocaleOptions = definedExternally): String\n\n    public fun toLocaleString(locales: Array<String> =
definedExternally, options: LocaleOptions = definedExternally): String\n\n    public fun toLocaleString(locales:
String, options: LocaleOptions = definedExternally): String\n\n    public fun toLocaleTimeString(locales:
Array<String> = definedExternally, options: LocaleOptions = definedExternally): String\n\n    public fun
toLocaleTimeString(locales: String, options: LocaleOptions = definedExternally): String\n\n    public fun
toTimeString(): String\n\n    public fun toUTCString(): String\n\n    public companion object {\n        public fun
now(): Double\n\n        public fun parse(dateString: String): Double\n\n        public fun UTC(year: Int, month: Int):
Double\n\n        public fun UTC(year: Int, month: Int, day: Int): Double\n\n        public fun UTC(year: Int, month:
Int, day: Int, hour: Int): Double\n\n        public fun UTC(year: Int, month: Int, day: Int, hour: Int, minute: Int):
Double\n\n        public fun UTC(year: Int, month: Int, day: Int, hour: Int, minute: Int, second: Int): Double\n\n
public fun UTC(year: Int, month: Int, day: Int, hour: Int, minute: Int, second: Int, millisecond: Number): Double\n
}\n\n    public interface LocaleOptions {\n        public var localeMatcher: String?\n\n        public var timeZone:
String?\n\n        public var hour12: Boolean?\n\n        public var formatMatcher: String?\n\n        public var weekday:
String?\n\n        public var era: String?\n\n        public var year: String?\n\n        public var month: String?\n\n
public var day: String?\n\n        public var hour: String?\n\n        public var minute: String?\n\n        public var
second: String?\n\n        public var timeZoneName: String?\n    }\n\n    public inline fun dateLocaleOptions(init:
Date.LocaleOptions.() -> Unit): Date.LocaleOptions {\n        val result = js("new
Object()).unsafeCast<Date.LocaleOptions>()\n        init(result)\n        return result\n    }"/*\n
 * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.dom\n\nimport
org.w3c.dom.Document\nimport org.w3c.dom.Element\nimport
kotlin.internal.LowPriorityInOverloadResolution\nimport kotlinx.dom.appendElement as
newAppendElement\nimport kotlinx.dom.createElement as newCreateElement\n\n/**\n * Creates a new element
with the specified [name].\n */\n * The element is initialized with the specified [init] function.\n
*/\n\n@LowPriorityInOverloadResolution\n@Deprecated(\n    message = "This API is moved to another package,
use 'kotlinx.dom.createElement' instead.",\n    replaceWith = ReplaceWith("this.createElement(name, init)"),\n
"\"kotlinx.dom.createElement()")\n\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.6")\npublic
inline fun Document.createElement(name: String, noinline init: Element.() -> Unit): Element =

```

```

this.newCreateElement(name, init)\n\n/**\n * Appends a newly created element with the specified [name] to this
element.\n *\n * The element is initialized with the specified [init] function.\n
*\n\n@LowPriorityInOverloadResolution\n@Deprecated(\n    message = `\"This API is moved to another package,
use 'kotlinx.dom.appendElement' instead.`,\n    replaceWith = ReplaceWith(`\"this.appendElement(name, init)`\",
`\"kotlinx.dom.appendElement(`)\n\n@DeprecatedSinceKotlin(warningSince = `\"1.4`\", errorSince = `\"1.6`\")\npublic
inline fun Element.appendElement(name: String, noinline init: Element.() -> Unit): Element =
this.newAppendElement(name, init)\n\n\"/>\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n\npackage kotlin.dom\n\nimport org.w3c.dom.Element\nimport
kotlin.internal.LowPriorityInOverloadResolution\nimport kotlinx.dom.addClass as newAddClass\nimport
kotlinx.dom.hasClass as newHasClass\nimport kotlinx.dom.removeClass as newRemoveClass\n\n/** Returns true if
the element has the given CSS class style in its 'class' attribute
*\n\n@LowPriorityInOverloadResolution\n@Deprecated(\n    message = `\"This API is moved to another package,
use 'kotlinx.dom.hasClass' instead.`,\n    replaceWith = ReplaceWith(`\"this.hasClass(cssClass)`\",
`\"kotlinx.dom.hasClass(`)\n\n@DeprecatedSinceKotlin(warningSince = `\"1.4`\", errorSince = `\"1.6`\")\ninline fun
Element.hasClass(cssClass: String): Boolean = this.newHasClass(cssClass)\n\n/**\n * Adds CSS class to element.
Has no effect if all specified classes are already in class attribute of the element\n *\n * @return true if at least one
class has been added\n *\n\n@LowPriorityInOverloadResolution\n@Deprecated(\n    message = `\"This API is moved
to another package, use 'kotlinx.dom.addClass' instead.`,\n    replaceWith =
ReplaceWith(`\"this.addClass(cssClasses)`\", `\"kotlinx.dom.addClass(`)\n\n@DeprecatedSinceKotlin(warningSince
= `\"1.4`\", errorSince = `\"1.6`\")\ninline fun Element.addClass(vararg cssClasses: String): Boolean =
this.newAddClass(*cssClasses)\n\n/**\n * Removes all [cssClasses] from element. Has no effect if all specified
classes are missing in class attribute of the element\n *\n * @return true if at least one class has been removed\n
*\n\n@LowPriorityInOverloadResolution\n@Deprecated(\n    message = `\"This API is moved to another package,
use 'kotlinx.dom.removeClass' instead.`,\n    replaceWith = ReplaceWith(`\"this.removeClass(cssClasses)`\",
`\"kotlinx.dom.removeClass(`)\n\n@DeprecatedSinceKotlin(warningSince = `\"1.4`\", errorSince = `\"1.6`\")\ninline
fun Element.removeClass(vararg cssClasses: String): Boolean = this.newRemoveClass(*cssClasses)\n\n/**\n *
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governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\npackage
kotlin.dom\n\nimport org.w3c.dom.Element\nimport org.w3c.dom.Node\nimport
kotlin.internal.LowPriorityInOverloadResolution\nimport kotlinx.dom.isElement as newIsElement\nimport
kotlinx.dom.isText as newIsText\n\n/**\n * Gets a value indicating whether this node is a TEXT_NODE or a
CDATA_SECTION_NODE.\n *\n\n@LowPriorityInOverloadResolution\n@Deprecated(\n    message = `\"This API
is moved to another package, use 'kotlinx.dom.isText' instead.`,\n    replaceWith = ReplaceWith(`\"this.isText`\",
`\"kotlinx.dom.isText(`)\n\n@DeprecatedSinceKotlin(warningSince = `\"1.4`\", errorSince = `\"1.6`\")\npublic val
Node.isText: Boolean\n    inline get() = this.newIsText\n\n/**\n * Gets a value indicating whether this node is an
[Element].\n *\n\n@LowPriorityInOverloadResolution\n@Deprecated(\n    message = `\"This API is moved to
another package, use 'kotlinx.dom.isElement' instead.`,\n    replaceWith = ReplaceWith(`\"this.isElement`\",
`\"kotlinx.dom.isElement(`)\n\n@DeprecatedSinceKotlin(warningSince = `\"1.4`\", errorSince = `\"1.6`\")\npublic val
Node.isElement: Boolean\n    inline get() = this.newIsElement\n\n\"/>\n * Copyright 2010-2018 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n *\n\npackage org.w3c.dom.events\n\npublic fun
EventListener(handler: (Event) -> Unit): EventListener = EventListenerHandler(handler)\n\nprivate class
EventListenerHandler(private val handler: (Event) -> Unit) : EventListener {\n    public override fun
handleEvent(event: Event) {\n        handler(event)\n    }\n\n    public override fun toString(): String =
`\"EventListenerHandler($handler)`\n\n\"/>\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n\npackage org.w3c.dom\n\npublic external interface ItemArrayLike<out T> {\n

```

```

val length: Int
fun item(index: Int): T? {
    /** Returns the view of this `ItemArrayLike<T>` collection as
    `List<T>`
    */
    public fun <T> ItemArrayLike<T>.asList(): List<T> = object : AbstractList<T>() {
        override val
        size: Int get() = this@asList.length
        override fun get(index: Int): T = when (index) {
            in 0..lastIndex ->
            this@asList.item(index).unsafeCast<T>()
            else -> throw IndexOutOfBoundsException("index $index is not in
            range [0..$lastIndex]")
        }
    }
}
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license/LICENSE.txt file.
*/
package kotlin.dom
import org.w3c.dom.Element
import
org.w3c.dom.Node
import kotlin.internal.LowPriorityInOverloadResolution
import kotlinx.dom.appendText as
newAppendText
import kotlinx.dom.clear as newClear
/** Removes all the children from this node.
*/
@LowPriorityInOverloadResolution
@Deprecated(
    message = "This API is moved to another package,
    use 'kotlinx.dom.clear' instead.",
    replaceWith = ReplaceWith("this.clear()"),
    "kotlinx.dom.clear")
@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.6")
public inline fun
Node.clear() = this.newClear()
/** Creates text node and append it to the element.
*/
@return this
element
@LowPriorityInOverloadResolution
@Deprecated(
    message = "This API is moved to another
    package, use 'kotlinx.dom.appendText' instead.",
    replaceWith = ReplaceWith("this.appendText(text)"),
    "kotlinx.dom.appendText")
@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.6")
inline fun
Element.appendText(text: String): Element = this.newAppendText(text)
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license that can be found in the license/LICENSE.txt file.
*/
package kotlin.js
/** Reinterprets this value
as a value of the [dynamic type](/docs/reference/dynamic-type.html).
*/
@kotlin.internal.InlineOnly
public
inline fun Any?.asDynamic(): dynamic = this
/** Reinterprets this value as a value of the specified type [T]
without any actual type checking.
*/
@kotlin.internal.InlineOnly
public inline fun <T> Any?.unsafeCast():
@kotlin.internal.NoInfer T = this.asDynamic()
/** Reinterprets this `dynamic` value as a value of the
specified type [T] without any actual type checking.
*/
@kotlin.internal.DynamicExtension
@JsName("unsafeCastDynamic")
@kotlin.internal.InlineOnly
public
inline fun <T> dynamic.unsafeCast(): @kotlin.internal.NoInfer T = this
/** Allows to iterate this `dynamic`
object in the following cases:
* - when it has an `iterator` function,
* - when it is an array
* - when it is an
instance of [kotlin.collections.Iterable]
*/
@kotlin.internal.DynamicExtension
public operator fun
dynamic.iterator(): Iterator<dynamic> {
    val r: Any? = this
    return when {
        this["iterator"] != null -
        > this["iterator"]()
        isArrayish(r) -> r.unsafeCast<Array<*>>().iterator()
        else ->
        (r as Iterable<*>).iterator()
    }
}
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Language contributors.
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license/LICENSE.txt file.
*/
package kotlin.collections
/** Groups elements from the [Grouping] source by key and counts elements
in each group.
*/
@return a [Map] associating the key of each group with the count of elements in the group.
*/
@sample samples.collections.Grouping.groupingByEachCount
@SinceKotlin("1.1")
public actual fun
<T, K> Grouping<T, K>.eachCount(): Map<K, Int> =
    fold(0) { acc, _ -> acc + 1 }
/** Groups
elements from the [Grouping] source by key and sums values provided by the [valueSelector] function for elements
in each group.
*/
@return a [Map] associating the key of each group with the count of element in the group.
*/
@SinceKotlin("1.1")
public inline fun <T, K> Grouping<T, K>.eachSumOf(valueSelector: (T) -> Int):
Map<K, Int> =
    fold(0) { acc, e -> acc + valueSelector(e) }
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*/

```

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```
*\n\n@file:kotlin.jvm.JvmName("\nGroupingKt")\n\n@file:kotlin.jvm.JvmMultifileClass\n\n\npackage\nkotlin.collections\n\n\n/**\n * Represents a source of elements with a [keyOf] function, which can be applied to each\n * element to get its key.\n * A [Grouping] structure serves as an intermediate step in group-and-fold operations:\n * they group elements by their keys and then fold each group with some aggregating operation.\n * It is created\n * by attaching `keySelector: (T) -> K` function to a source of elements.\n * To get an instance of [Grouping] use one\n * of `groupingBy` extension functions:\n * - [Iterable.groupingBy]\n * - [Sequence.groupingBy]\n * -\n * [Array.groupingBy]\n * - [CharSequence.groupingBy]\n * For the list of group-and-fold operations available,\n * see the [extension functions](#extension-functions) for `Grouping`.\n *\n * @SinceKotlin("1.1")\n\npublic interface\nGrouping<T, out K> {\n    /** Returns an [Iterator] over the elements of the source of this grouping. */\n    fun\n    sourceIterator(): Iterator<T>\n    /** Extracts the key of an [element]. */\n    fun keyOf(element: T): K\n}\n\n/**\n * Groups elements from the [Grouping] source by key and applies [operation] to the elements of each group\n * sequentially,\n * passing the previously accumulated value and the current element as arguments, and stores the\n * results in a new map.\n * The key for each element is provided by the [Grouping.keyOf] function.\n * @param operation function is invoked on each element with the following parameters:\n * - `key`: the key of the\n * group this element belongs to;\n * - `accumulator`: the current value of the accumulator of the group, can be `null`\n * if it's the first `element` encountered in the group;\n * - `element`: the element from the source being aggregated;\n * - `first`: indicates whether it's the first `element` encountered in the group.\n * @return a [Map] associating\n * the key of each group with the result of aggregation of the group elements.\n * @sample\n * samples.collections.Grouping.aggregateByRadix\n *\n * @SinceKotlin("1.1")\n\npublic inline fun <T, K, R>\nGrouping<T, K>.aggregate(\n    operation: (key: K, accumulator: R?, element: T, first: Boolean) -> R\n): Map<K,\n * R> {\n    return aggregateTo(mutableMapOf<K, R>(), operation)\n}\n\n/**\n * Groups elements from the\n * [Grouping] source by key and applies [operation] to the elements of each group sequentially,\n * passing the\n * previously accumulated value and the current element as arguments,\n * and stores the results in the given\n * [destination] map.\n * The key for each element is provided by the [Grouping.keyOf] function.\n * @param\n * operation a function that is invoked on each element with the following parameters:\n * - `key`: the key of the group\n * this element belongs to;\n * - `accumulator`: the current value of the accumulator of the group, can be `null` if it's\n * the first `element` encountered in the group;\n * - `element`: the element from the source being aggregated;\n * -\n * `first`: indicates whether it's the first `element` encountered in the group.\n * If the [destination] map already has\n * a value corresponding to some key,\n * then the elements being aggregated for that key are never considered as\n * `first`.\n * @return the [destination] map associating the key of each group with the result of aggregation of the\n * group elements.\n * @sample\n * samples.collections.Grouping.aggregateByRadixTo\n *\n * @SinceKotlin("1.1")\n\npublic inline fun <T, K, R, M : MutableMap<in K, R>> Grouping<T,\n * K>.aggregateTo(\n    destination: M,\n    operation: (key: K, accumulator: R?, element: T, first: Boolean) -> R\n): M {\n    for (e in this.sourceIterator()) {\n        val key = keyOf(e)\n        val accumulator = destination[key]\n        destination[key] = operation(key, accumulator, e, accumulator == null && !destination.containsKey(key))\n    }\n    return destination\n}\n\n/**\n * Groups elements from the [Grouping] source by key and applies [operation] to the\n * elements of each group sequentially,\n * passing the previously accumulated value and the current element as\n * arguments, and stores the results in a new map.\n * An initial value of accumulator is provided by\n * [initialValueSelector] function.\n * @param initialValueSelector a function that provides an initial value of\n * accumulator for each group.\n * It's invoked with parameters:\n * - `key`: the key of the group;\n * - `element`: the\n * first element being encountered in that group.\n * @param operation a function that is invoked on each element\n * with the following parameters:\n * - `key`: the key of the group this element belongs to;\n * - `accumulator`: the\n * current value of the accumulator of the group;\n * - `element`: the element from the source being accumulated.\n * @return a [Map] associating the key of each group with the result of accumulating the group elements.\n * @sample\n * samples.collections.Grouping.foldByEvenLengthWithComputedInitialValue\n *\n * @SinceKotlin("1.1")\n\npublic inline fun <T, K, R> Grouping<T, K>.fold(\n    initialValueSelector: (key: K,
```

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element: T) -> R,\n operation: (key: K, accumulator: R, element: T) -> R\n): Map<K, R> =\n
@Suppress(\\"UNCHECKED_CAST\\")\n aggregate { key, acc, e, first -> operation(key, if (first)
initialValueSelector(key, e) else acc as R, e) }\n\n/**\n * Groups elements from the [Grouping] source by key and
applies [operation] to the elements of each group sequentially,\n * passing the previously accumulated value and the
current element as arguments,\n * and stores the results in the given [destination] map.\n * An initial value of
accumulator is provided by [initialValueSelector] function.\n * @param initialValueSelector a function that
provides an initial value of accumulator for each group.\n * It's invoked with parameters:\n * - `key`: the key of the
group;\n * - `element`: the first element being encountered in that group.\n * @param operation a function that is invoked on
each element with the following parameters:\n * - `key`: the key of the group this element belongs to;\n * -
`accumulator`: the current value of the accumulator of the group;\n * - `element`: the element from the source being
accumulated.\n * @return the [destination] map associating the key of each group with the result of
accumulating the group elements.\n * @sample
samples.collections.Grouping.foldByEvenLengthWithComputedInitialValueTo\n */\n@SinceKotlin(\\"1.1\\")\npublic
inline fun <T, K, R, M : MutableMap<in K, R>> Grouping<T, K>.foldTo(\n destination: M,\n
initialValueSelector: (key: K, element: T) -> R,\n operation: (key: K, accumulator: R, element: T) -> R\n): M =\n
@Suppress(\\"UNCHECKED_CAST\\")\n aggregateTo(destination) { key, acc, e, first -> operation(key, if (first)
initialValueSelector(key, e) else acc as R, e) }\n\n/**\n * Groups elements from the [Grouping] source by key and
applies [operation] to the elements of each group sequentially,\n * passing the previously accumulated value and the
current element as arguments, and stores the results in a new map.\n * An initial value of accumulator is the same
[initialValue] for each group.\n * @param operation a function that is invoked on each element with the
following parameters:\n * - `accumulator`: the current value of the accumulator of the group;\n * - `element`: the
element from the source being accumulated.\n * @return a [Map] associating the key of each group with the
result of accumulating the group elements.\n * @sample
samples.collections.Grouping.foldByEvenLengthWithConstantInitialValue\n */\n@SinceKotlin(\\"1.1\\")\npublic
inline fun <T, K, R> Grouping<T, K>.fold(\n initialValue: R,\n operation: (accumulator: R, element: T) -> R\n):
Map<K, R> =\n @Suppress(\\"UNCHECKED_CAST\\")\n aggregate { _, acc, e, first -> operation(if (first)
initialValue else acc as R, e) }\n\n/**\n * Groups elements from the [Grouping] source by key and applies
[operation] to the elements of each group sequentially,\n * passing the previously accumulated value and the current
element as arguments,\n * and stores the results in the given [destination] map.\n * An initial value of accumulator
is the same [initialValue] for each group.\n * If the [destination] map already has a value corresponding to the key
of some group,\n * that value is used as an initial value of the accumulator for that group.\n * @param operation
a function that is invoked on each element with the following parameters:\n * - `accumulator`: the current value of
the accumulator of the group;\n * - `element`: the element from the source being accumulated.\n * @return the
[destination] map associating the key of each group with the result of accumulating the group elements.\n *
@sample samples.collections.Grouping.foldByEvenLengthWithConstantInitialValueTo\n
*/\n@SinceKotlin(\\"1.1\\")\npublic inline fun <T, K, R, M : MutableMap<in K, R>> Grouping<T, K>.foldTo(\n
destination: M,\n initialValue: R,\n operation: (accumulator: R, element: T) -> R\n): M =\n
@Suppress(\\"UNCHECKED_CAST\\")\n aggregateTo(destination) { _, acc, e, first -> operation(if (first)
initialValue else acc as R, e) }\n\n/**\n * Groups elements from the [Grouping] source by key and applies the
reducing [operation] to the elements of each group\n * sequentially starting from the second element of the group,\n
* passing the previously accumulated value and the current element as arguments,\n * and stores the results in a new
map.\n * An initial value of accumulator is the first element of the group.\n * @param operation a function that
is invoked on each subsequent element of the group with the following parameters:\n * - `key`: the key of the group
this element belongs to;\n * - `accumulator`: the current value of the accumulator of the group;\n * - `element`: the
element from the source being accumulated.\n * @return a [Map] associating the key of each group with the
result of accumulating the group elements.\n * @sample samples.collections.Grouping.reduceByMaxVowels\n

```

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*\n@SinceKotlin("1.1")\npublic inline fun <S, T : S, K> Grouping<T, K>.reduce(\n    operation: (key: K,
accumulator: S, element: T) -> S)\n): Map<K, S> =\n    aggregate { key, acc, e, first ->\n
@Suppress("UNCHECKED_CAST")\n        if (first) e else operation(key, acc as S, e)\n    }\n\n/**\n * Groups
elements from the [Grouping] source by key and applies the reducing [operation] to the elements of each group\n *
sequentially starting from the second element of the group,\n * passing the previously accumulated value and the
current element as arguments,\n * and stores the results in the given [destination] map.\n * An initial value of
accumulator is the first element of the group.\n *\n * If the [destination] map already has a value corresponding to
the key of some group,\n * that value is used as an initial value of the accumulator for that group and the first
element of that group is also\n * subjected to the [operation].\n *\n * @param operation a function that is invoked on
each subsequent element of the group with the following parameters:\n * - `accumulator`: the current value of the
accumulator of the group;\n * - `element`: the element from the source being folded;\n *\n * @return the
[destination] map associating the key of each group with the result of accumulating the group elements.\n *
@sample samples.collections.Grouping.reduceByMaxVowelsTo\n */\n@SinceKotlin("1.1")\npublic inline fun <S,
T : S, K, M : MutableMap<in K, S>> Grouping<T, K>.reduceTo(\n    destination: M,\n    operation: (key: K,
accumulator: S, element: T) -> S)\n): M =\n    aggregateTo(destination) { key, acc, e, first ->\n
@Suppress("UNCHECKED_CAST")\n        if (first) e else operation(key, acc as S, e)\n    }\n\n/**\n * Groups
elements from the [Grouping] source by key and counts elements in each group to the given [destination] map.\n *
If the [destination] map already has a value corresponding to the key of some group,\n * that value is used as an
initial value of the counter for that group.\n *\n * @return the [destination] map associating the key of each group
with the count of elements in the group.\n *\n * @sample samples.collections.Grouping.groupingByEachCount\n */\n@SinceKotlin("1.1")\npublic fun <T, K, M : MutableMap<in K, Int>> Grouping<T,
K>.eachCountTo(destination: M): M =\n    foldTo(destination, 0) { acc, _ -> acc + 1 }\n\n/**\n * Groups
elements from the [Grouping] source by key and sums values provided by the [valueSelector] function for elements
in each group\n * to the given [destination] map.\n *\n * If the [destination] map already has a value
corresponding to the key of some group,\n * that value is used as an initial value of the sum for that group.\n *\n *
@return the [destination] map associating the key of each group with the sum of elements in the group.\n */\n@SinceKotlin("1.1")\npublic inline fun <T, K, M : MutableMap<in K, Int>> Grouping<T,
K>.eachSumOfTo(destination: M, valueSelector: (T) -> Int): M =\n    foldTo(destination, 0) { acc, e -> acc +
valueSelector(e)}\n\n/**\n * TODO: sum by long and by double overloads\n */\npublic inline fun <T, K, M :
MutableMap<in K, Long>> Grouping<T, K>.sumEachByLongTo(destination: M, valueSelector: (T) -> Long): M
=\n    foldTo(destination, 0L) { acc, e -> acc + valueSelector(e)}\n\npublic inline fun <T, K> Grouping<T,
K>.sumEachByLong(valueSelector: (T) -> Long): Map<K, Long> =\n    fold(0L) { acc, e -> acc +
valueSelector(e)}\n\npublic inline fun <T, K, M : MutableMap<in K, Double>> Grouping<T,
K>.sumEachByDoubleTo(destination: M, valueSelector: (T) -> Double): M =\n    foldTo(destination, 0.0) { acc, e
-> acc + valueSelector(e)}\n\npublic inline fun <T, K> Grouping<T, K>.sumEachByDouble(valueSelector: (T) ->
Double): Map<K, Double> =\n    fold(0.0) { acc, e -> acc + valueSelector(e)}\n\n/**\n * Copyright 2010-2021
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage
kotlin.js\n\n@Retention(AnnotationRetention.BINARY)\n@Target(AnnotationTarget.FUNCTION,
AnnotationTarget.PROPERTY)\ninternal annotation class JsNativeImplementation(val implementation:
String)\n\n/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.js\n\n/**\n * An interface for indexing access to a collection of key-value pairs, where type of
key is [String] and type of value is [Any?][Any].\n */\n\npublic external interface Json {\n    /**\n     * Calls to the
function will be translated to indexing operation (square brackets) on the receiver with [propertyName] as the
argument.\n     *\n     * E.g. for next code:\n     * ```kotlin\n     * fun test(j: Json, p: String) = j["prop"] + j.get(p)\n     * ```\n     *\n     * will be generated:\n     * ```js\n     * function test(j, p) {\n     *     return j["prop"] + j[p];\n     * }\n     * ```\n     *\n     * \n     * operator fun get(propertyName: String): Any?\n     */\n    /**\n     * Calls of the function will be

```

translated to an assignment of [value] to the receiver indexed (with square brackets/index operation) with [propertyName].\n \* \n \* E.g. for the following code:\n \* ```kotlin\n \* fun test(j: Json, p: String, newValue: Any) {\n \* j["prop"] = 1\n \* j.set(p, newValue)\n \* }\n \* ```\n \* \n \* will be generated:\n \* ```js\n \* function test(j, p, newValue) {\n \* j["prop"] = 1;\n \* j[p] = newValue;\n \* }\n \* ```\n \* \n \* \n \* operator fun set(propertyName: String, value: Any?): Unit\n \* Returns a simple JavaScript object (as [Json]) using provided key-value pairs as names and values of its properties.\n \* \n \* \n \* public fun json(vararg pairs: Pair<String, Any?>): Json {\n \* val res: dynamic = js("{}")\n \* for ((name, value) in pairs) {\n \* res[name] = value\n \* }\n \* return res\n \* }\n \* Adds key-value pairs from [other] to [this].\n \* Returns the original receiver.\n \* \n \* \n \* public fun Json.add(other: Json): Json {\n \* val keys: Array<String> = js("Object").keys(other)\n \* for (key in keys) {\n \* if (other.asDynamic().hasOwnProperty(key)) {\n \* this[key] = other[key];\n \* }\n \* }\n \* return this\n \* }\n \* Exposes the JavaScript [JSON] object](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_Objects/JSON) to Kotlin.\n \* \n \* \n \* @Suppress("NOT\_DOCUMENTED")\n \* public external object JSON {\n \* public fun stringify(o: Any?): String\n \* public fun stringify(o: Any?, replacer: ((key: String, value: Any?) -> Any?): String\n \* public fun stringify(o: Any?, replacer: ((key: String, value: Any?) -> Any?)? = definedExternally, space: Int): String\n \* public fun stringify(o: Any?, replacer: ((key: String, value: Any?) -> Any?)? = definedExternally, space: String): String\n \* public fun stringify(o: Any?, replacer: Array<String>): String\n \* public fun stringify(o: Any?, replacer: Array<String>, space: Int): String\n \* public fun stringify(o: Any?, replacer: Array<String>, space: String): String\n \* \n \* \n \* public fun <T> parse(text: String): T\n \* public fun <T> parse(text: String, reviver: ((key: String, value: Any?) -> Any?): T)\n \* \n \* \n \* Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n \* Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n \* \n \* \n \* package kotlin.math\n \* \n \* \n \* import kotlin.internal.InlineOnly\n \* \n \* \n \* import kotlin.js.JsMath as nativeMath\n \* \n \* \n \* // region ===== Double Math\n \* \n \* \n \* =====\n \* \n \* \n \* Computes the sine of the angle [x] given in radians.\n \* \n \* \n \* Special cases:\n \* - `sin(NaN|+Inf|-Inf)` is `NaN`\n \* \n \* \n \* @SinceKotlin("1.2")\n \* @InlineOnly\n \* public actual inline fun sin(x: Double): Double = nativeMath.sin(x)\n \* \n \* \n \* Computes the cosine of the angle [x] given in radians.\n \* \n \* \n \* Special cases:\n \* - `cos(NaN|+Inf|-Inf)` is `NaN`\n \* \n \* \n \* @SinceKotlin("1.2")\n \* @InlineOnly\n \* public actual inline fun cos(x: Double): Double = nativeMath.cos(x)\n \* \n \* \n \* Computes the tangent of the angle [x] given in radians.\n \* \n \* \n \* Special cases:\n \* - `tan(NaN|+Inf|-Inf)` is `NaN`\n \* \n \* \n \* @SinceKotlin("1.2")\n \* @InlineOnly\n \* public actual inline fun tan(x: Double): Double = nativeMath.tan(x)\n \* \n \* \n \* Computes the arc sine of the value [x];\n \* \n \* \n \* the returned value is an angle in the range from  $-\pi/2$  to  $\pi/2$  radians.\n \* \n \* \n \* Special cases:\n \* - `asin(x)` is `NaN`, when  $abs(x) > 1$  or  $x$  is `NaN`\n \* \n \* \n \* @SinceKotlin("1.2")\n \* @InlineOnly\n \* public actual inline fun asin(x: Double): Double = nativeMath.asin(x)\n \* \n \* \n \* Computes the arc cosine of the value [x];\n \* \n \* \n \* the returned value is an angle in the range from  $0.0$  to  $\pi$  radians.\n \* \n \* \n \* Special cases:\n \* - `acos(x)` is `NaN`, when  $abs(x) > 1$  or  $x$  is `NaN`\n \* \n \* \n \* @SinceKotlin("1.2")\n \* @InlineOnly\n \* public actual inline fun acos(x: Double): Double = nativeMath.acos(x)\n \* \n \* \n \* Computes the arc tangent of the value [x];\n \* \n \* \n \* the returned value is an angle in the range from  $-\pi/2$  to  $\pi/2$  radians.\n \* \n \* \n \* Special cases:\n \* - `atan(NaN)` is `NaN`\n \* \n \* \n \* @SinceKotlin("1.2")\n \* @InlineOnly\n \* public actual inline fun atan(x: Double): Double = nativeMath.atan(x)\n \* \n \* \n \* Returns the angle `theta` of the polar coordinates `(r, theta)` that correspond\n \* \n \* \n \* to the rectangular coordinates `(x, y)` by computing the arc tangent of the value  $y / x$ ;\n \* \n \* \n \* the returned value is an angle in the range from  $-\pi$  to  $\pi$  radians.\n \* \n \* \n \* Special cases:\n \* - `atan2(0.0, 0.0)` is  $0.0$ \n \* - `atan2(0.0, x)` is  $0.0$  for  $x > 0$  and  $\pi$  for  $x < 0$ \n \* - `atan2(-0.0, x)` is  $-0.0$  for  $x > 0$  and  $-\pi$  for  $x < 0$ \n \* - `atan2(y, +Inf)` is  $0.0$  for  $0 < y < +Inf$  and  $-0.0$  for  $-Inf < y < 0$ \n \* - `atan2(y, -Inf)` is  $\pi$  for  $0 < y < +Inf$  and  $-\pi$  for  $-Inf < y < 0$ \n \* - `atan2(y, 0.0)` is  $\pi/2$  for  $y > 0$  and  $-\pi/2$  for  $y < 0$ \n \* - `atan2(+Inf, x)` is  $\pi/2$  for finite  $x$ \n \* - `atan2(-Inf, x)` is  $-\pi/2$  for finite  $x$ \n \* - `atan2(NaN, x)` and `atan2(y, NaN)` is `NaN`\n \* \n \* \n \* @SinceKotlin("1.2")\n \* @InlineOnly\n \* public actual inline fun atan2(y: Double, x: Double): Double = nativeMath.atan2(y, x)\n \* \n \* \n \* Computes the hyperbolic sine of the value [x].\n \* \n \* \n \* Special cases:\n \* -

```

`sinh(NaN)` is `NaN` \n * - `sinh(+Inf)` is `+Inf` \n * - `sinh(-Inf)` is `-Inf` \n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun sinh(x: Double): Double =
nativeMath.sinh(x)\n\n/**\n * Computes the hyperbolic cosine of the value [x].\n * \n * Special cases:\n * -
`cosh(NaN)` is `NaN` \n * - `cosh(+Inf|-Inf)` is `+Inf` \n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual
inline fun cosh(x: Double): Double = nativeMath.cosh(x)\n\n/**\n * Computes the hyperbolic tangent of the value
[x].\n * \n * Special cases:\n * - `tanh(NaN)` is `NaN` \n * - `tanh(+Inf)` is `1.0` \n * - `tanh(-Inf)` is `-1.0` \n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun tanh(x: Double): Double =
nativeMath.tanh(x)\n\n/**\n * Computes the inverse hyperbolic sine of the value [x].\n * \n * The returned value is
`y` such that `sinh(y) == x`.\n * \n * Special cases:\n * - `asinh(NaN)` is `NaN` \n * - `asinh(+Inf)` is `+Inf` \n * -
`asinh(-Inf)` is `-Inf` \n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun asinh(x: Double): Double
= nativeMath.asinh(x)\n\n/**\n * Computes the inverse hyperbolic cosine of the value [x].\n * \n * The returned
value is positive `y` such that `cosh(y) == x`.\n * \n * Special cases:\n * - `acosh(NaN)` is `NaN` \n * - `acosh(x)`
is `NaN` when `x < 1` \n * - `acosh(+Inf)` is `+Inf` \n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline
fun acosh(x: Double): Double = nativeMath.acosh(x)\n\n/**\n * Computes the inverse hyperbolic tangent of the
value [x].\n * \n * The returned value is `y` such that `tanh(y) == x`.\n * \n * Special cases:\n * - `tanh(NaN)` is
`NaN` \n * - `tanh(x)` is `NaN` when `x > 1` or `x < -1` \n * - `tanh(1.0)` is `+Inf` \n * - `tanh(-1.0)` is `-Inf` \n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun atanh(x: Double): Double =
nativeMath.atanh(x)\n\n/**\n * Computes `sqrt(x^2 + y^2)` without intermediate overflow or underflow.\n * \n *
Special cases:\n * - returns `+Inf` if any of arguments is infinite\n * - returns `NaN` if any of arguments is `NaN`
and the other is not infinite\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun hypot(x: Double, y:
Double): Double = nativeMath.hypot(x, y)\n\n/**\n * Computes the positive square root of the value [x].\n * \n *
Special cases:\n * - `sqrt(x)` is `NaN` when `x < 0` or `x` is `NaN` \n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun sqrt(x: Double): Double =
nativeMath.sqrt(x)\n\n/**\n * Computes Euler's number `e` raised to the power of the value [x].\n * \n * Special
cases:\n * - `exp(NaN)` is `NaN` \n * - `exp(+Inf)` is `+Inf` \n * - `exp(-Inf)` is `0.0` \n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun exp(x: Double): Double =
nativeMath.exp(x)\n\n/**\n * Computes `exp(x) - 1`.\n * \n * This function can be implemented to produce more
precise result for [x] near zero.\n * \n * Special cases:\n * - `expm1(NaN)` is `NaN` \n * - `expm1(+Inf)` is `+Inf` \n
* - `expm1(-Inf)` is `-1.0` \n * \n * @see [exp] function.\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual
inline fun expm1(x: Double): Double = nativeMath.expm1(x)\n\n/**\n * Computes the logarithm of the value [x] to
the given [base].\n * \n * Special cases:\n * - `log(x, b)` is `NaN` if either `x` or `b` are `NaN` \n * - `log(x, b)` is
`NaN` when `x < 0` or `b <= 0` or `b == 1.0` \n * - `log(+Inf, +Inf)` is `NaN` \n * - `log(+Inf, b)` is `+Inf` for `b >
1` and `-Inf` for `b < 1` \n * - `log(0.0, b)` is `-Inf` for `b > 1` and `+Inf` for `b > 1` \n * \n * See also logarithm
functions for common fixed bases: [ln], [log10] and [log2].\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual fun log(x:
Double, base: Double): Double {\n    if (base <= 0.0 || base == 1.0) return Double.NaN\n    return nativeMath.log(x)
/ nativeMath.log(base)\n}\n\n/**\n * Computes the natural logarithm (base `E`) of the value [x].\n * \n * Special
cases:\n * - `ln(NaN)` is `NaN` \n * - `ln(x)` is `NaN` when `x < 0.0` \n * - `ln(+Inf)` is `+Inf` \n * - `ln(0.0)` is
`-Inf` \n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun ln(x: Double): Double =
nativeMath.log(x)\n\n/**\n * Computes the common logarithm (base 10) of the value [x].\n * \n * @see [ln] function
for special cases.\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun log10(x: Double): Double =
nativeMath.log10(x)\n\n/**\n * Computes the binary logarithm (base 2) of the value [x].\n * \n * @see [ln] function
for special cases.\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun log2(x: Double): Double =
nativeMath.log2(x)\n\n/**\n * Computes `ln(x + 1)`.\n * \n * This function can be implemented to produce more
precise result for [x] near zero.\n * \n * Special cases:\n * - `ln1p(NaN)` is `NaN` \n * - `ln1p(x)` is `NaN` where `x
< -1.0` \n * - `ln1p(-1.0)` is `-Inf` \n * - `ln1p(+Inf)` is `+Inf` \n * \n * @see [ln] function\n * @see [expm1]
function\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun ln1p(x: Double): Double =
nativeMath.log1p(x)\n\n/**\n * Rounds the given value [x] to an integer towards positive infinity.\n * \n * @return the
smallest double value that is greater than or equal to the given value [x] and is a mathematical integer.\n * \n
*/

```

Special cases:  $\lceil x \rceil$  is  $x$  where  $x$  is  $\text{NaN}$  or  $+\text{Inf}$  or  $-\text{Inf}$  or already a mathematical integer.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun ceil(x: Double): Double =
    nativeMath.ceil(x)

```

Rounds the given value  $[x]$  to an integer towards negative infinity. @return the largest double value that is smaller than or equal to the given value  $[x]$  and is a mathematical integer.

Special cases:  $\lfloor x \rfloor$  is  $x$  where  $x$  is  $\text{NaN}$  or  $+\text{Inf}$  or  $-\text{Inf}$  or already a mathematical integer.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun floor(x: Double): Double =
    nativeMath.floor(x)

```

Rounds the given value  $[x]$  to an integer towards zero. @return the value  $[x]$  having its fractional part truncated.

Special cases:  $\text{truncate}(x)$  is  $x$  where  $x$  is  $\text{NaN}$  or  $+\text{Inf}$  or  $-\text{Inf}$  or already a mathematical integer.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun
truncate(x: Double): Double = nativeMath.trunc(x)

```

Rounds the given value  $[x]$  towards the closest integer with ties rounded towards even integer.

Special cases:  $\text{round}(x)$  is  $x$  where  $x$  is  $\text{NaN}$  or  $+\text{Inf}$  or  $-\text{Inf}$  or already a mathematical integer.

```

@SinceKotlin("1.2")@public actual fun round(x: Double): Double
{
    if (x % 0.5 != 0.0) {
        return nativeMath.round(x)
    }
    val floor = floor(x)
    return if (floor % 2 == 0.0) floor else ceil(x)
}

```

Returns the absolute value of the given value  $[x]$ .

Special cases:  $-\text{abs}(\text{NaN})$  is  $\text{NaN}$

@see absoluteValue extension property for `[Double]`

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun abs(x: Double): Double =
    nativeMath.abs(x)

```

Returns the sign of the given value  $[x]$ :  $-1.0$  if the value is negative,  $0$  if the value is zero,  $1.0$  if the value is positive

Special case:  $\text{sign}(\text{NaN})$  is  $\text{NaN}$

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun sign(x: Double): Double =
    nativeMath.sign(x)

```

Returns the smaller of two values. If either value is  $\text{NaN}$ , then the result is  $\text{NaN}$ .

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun min(a: Double, b: Double): Double =
    nativeMath.min(a, b)

```

Returns the greater of two values. If either value is  $\text{NaN}$ , then the result is  $\text{NaN}$ .

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun max(a: Double, b: Double): Double =
    nativeMath.max(a, b)

```

// extensions

Raises this value to the power  $[x]$ .

Special cases:  $\text{b.pow}(0.0)$  is  $1.0$ ,  $\text{b.pow}(1.0) == b$ ,  $\text{b.pow}(\text{NaN})$  is  $\text{NaN}$ ,  $\text{NaN.pow}(x)$  is  $\text{NaN}$  for  $x \neq 0.0$ ,  $\text{b.pow}(\text{Inf})$  is  $\text{NaN}$  for  $\text{abs}(b) == 1.0$ ,  $\text{b.pow}(x)$  is  $\text{NaN}$  for  $b < 0$  and  $x$  is finite and not an integer

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun Double.pow(x: Double): Double =
    nativeMath.pow(this, x)

```

Raises this value to the integer power  $[n]$ . See the other overload of `[pow]` for details.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun Double.pow(n: Int): Double =
    nativeMath.pow(this, n.toDouble())

```

Returns the absolute value of this value.

Special cases:  $-\text{NaN.absoluteValue}$  is  $\text{NaN}$

@see abs function

```

@SinceKotlin("1.2")@InlineOnly@public
actual inline val Double.absoluteValue: Double get() = nativeMath.abs(this)

```

Returns the sign of this value:  $-1.0$  if the value is negative,  $0$  if the value is zero,  $1.0$  if the value is positive

Special case:  $-\text{NaN.sign}$  is  $\text{NaN}$

```

@SinceKotlin("1.2")@InlineOnly@public actual inline val
Double.sign: Double get() = nativeMath.sign(this)

```

Returns this value with the sign bit same as of the `[sign]` value.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun Double.withSign(sign: Int):
Double = this.withSign(sign.toDouble())

```

Returns the ulp (unit in the last place) of this value. An ulp is a positive distance between this value and the next nearest `[Double]` value larger in magnitude.

Special Cases:  $-\text{NaN.ulp}$  is  $\text{NaN}$ ,  $x.ulp$  is  $+\text{Inf}$  when  $x$  is  $+\text{Inf}$  or  $-\text{Inf}$ ,  $0.0.ulp$  is `Double.MIN_VALUE`

```

@SinceKotlin("1.2")@public actual val Double.ulp: Double get() = when {
    this < 0 -> (-this).ulp
    this.isNaN() || this == Double.POSITIVE_INFINITY -> this
    this == Double.MAX_VALUE -> this - this.nextDown()
    else -> this.nextUp() - this
}

```

Returns the `[Double]` value nearest to this value in direction of positive infinity.

```

@SinceKotlin("1.2")@public actual fun
Double.nextUp(): Double = when {
    this.isNaN() || this == Double.POSITIVE_INFINITY -> this
    this == 0.0 -> Double.MIN_VALUE
    else -> Double.fromBits(this.toRawBits() + if (this > 0) 1 else -1)
}

```

Returns the `[Double]` value nearest to this value in direction of negative infinity.

```

@SinceKotlin("1.2")@public actual fun Double.nextDown(): Double = when {
    this.isNaN() || this == Double.NEGATIVE_INFINITY -> this
    this == 0.0 -> -Double.MIN_VALUE
    else ->

```

`Double.fromBits(this.toRawBits() + if (this > 0) -1 else 1)` Returns the [Double] value nearest to this value in direction from this value towards the value [to].
   
 Special cases:
 

- `-x.nextTowards(y)` is NaN if either `x` or `y` are NaN
- `-x.nextTowards(x) == x`

`Double.nextTowards(to: Double): Double` = when {
 

- `this.isNaN() || to.isNaN() -> Double.NaN`
- `to == this -> to`
- `to > this -> this.nextUp()`
- else /\* `to < this` \*/ `-> this.nextDown()`

Rounds this [Double] value to the nearest integer and converts the result to [Int].
   
 Ties are rounded towards positive infinity.
   
 Special cases:
 

- `-x.roundToInt() == Int.MAX_VALUE` when `x > Int.MAX_VALUE`
- `-x.roundToInt() == Int.MIN_VALUE` when `x < Int.MIN_VALUE`

 @throws IllegalArgumentException when this value is NaN
   
 public actual fun `Double.roundToInt(): Int` = when {
 

- `isNaN() -> throw IllegalArgumentException("Cannot round NaN value.")`
- `this > Int.MAX_VALUE -> Int.MAX_VALUE`
- `this < Int.MIN_VALUE -> Int.MIN_VALUE`
- else `-> nativeMath.round(this).toInt()`

Rounds this [Double] value to the nearest integer and converts the result to [Long].
   
 Ties are rounded towards positive infinity.
   
 Special cases:
 

- `-x.roundToLong() == Long.MAX_VALUE` when `x > Long.MAX_VALUE`
- `-x.roundToLong() == Long.MIN_VALUE` when `x < Long.MIN_VALUE`

 @throws IllegalArgumentException when this value is NaN
   
 public actual fun `Double.roundToLong(): Long` = when {
 

- `isNaN() -> throw IllegalArgumentException("Cannot round NaN value.")`
- `this > Long.MAX_VALUE -> Long.MAX_VALUE`
- `this < Long.MIN_VALUE -> Long.MIN_VALUE`
- else `-> nativeMath.round(this).toLong()`

===== Float Math =====
   
 Computes the sine of the angle [x] given in radians.
   
 Special cases:
 

- `sin(NaN|+Inf|-Inf)` is NaN

 public actual inline fun `sin(x: Float): Float` = `nativeMath.sin(x.toDouble()).toFloat()`

Computes the cosine of the angle [x] given in radians.
   
 Special cases:
 

- `cos(NaN|+Inf|-Inf)` is NaN

 public actual inline fun `cos(x: Float): Float` = `nativeMath.cos(x.toDouble()).toFloat()`

Computes the tangent of the angle [x] given in radians.
   
 Special cases:
 

- `tan(NaN|+Inf|-Inf)` is NaN

 public actual inline fun `tan(x: Float): Float` = `nativeMath.tan(x.toDouble()).toFloat()`

Computes the arc sine of the value [x];
   
 the returned value is an angle in the range from `-PI/2` to `PI/2` radians.
   
 Special cases:
 

- `asin(x)` is NaN, when `abs(x) > 1` or `x` is NaN

 public actual inline fun `asin(x: Float): Float` = `nativeMath.asin(x.toDouble()).toFloat()`

Computes the arc cosine of the value [x];
   
 the returned value is an angle in the range from `0.0` to `PI` radians.
   
 Special cases:
 

- `acos(x)` is NaN, when `abs(x) > 1` or `x` is NaN

 public actual inline fun `acos(x: Float): Float` = `nativeMath.acos(x.toDouble()).toFloat()`

Computes the arc tangent of the value [x];
   
 the returned value is an angle in the range from `-PI/2` to `PI/2` radians.
   
 Special cases:
 

- `atan(NaN)` is NaN

 public actual inline fun `atan(x: Float): Float` = `nativeMath.atan(x.toDouble()).toFloat()`

Returns the angle `theta` of the polar coordinates `(r, theta)` that correspond to the rectangular coordinates `(x, y)` by computing the arc tangent of the value `y / x`;
   
 the returned value is an angle in the range from `-PI` to `PI` radians.
   
 Special cases:
 

- `atan2(0.0, 0.0)` is `0.0`
- `atan2(0.0, x)` is `0.0` for `x > 0` and `PI` for `x < 0`
- `atan2(-0.0, x)` is `-0.0` for `x > 0` and `-PI` for `x < 0`
- `atan2(y, +Inf)` is `0.0` for `0 < y < +Inf` and `-0.0` for `-Inf < y < 0`
- `atan2(y, -Inf)` is `PI` for `0 < y < +Inf` and `-PI` for `-Inf < y < 0`
- `atan2(y, 0.0)` is `PI/2` for `y > 0` and `-PI/2` for `y < 0`
- `atan2(+Inf, x)` is `PI/2` for finite `x`
- `atan2(-Inf, x)` is `-PI/2` for finite `x`
- `atan2(NaN, x)` and `atan2(y, NaN)` is NaN

 public actual inline fun `atan2(y: Float, x: Float): Float` = `nativeMath.atan2(y.toDouble(), x.toDouble()).toFloat()`

Computes the hyperbolic sine of the value [x].
   
 Special cases:
 

- `sinh(NaN)` is NaN
- `sinh(+Inf)` is `+Inf`
- `sinh(-Inf)` is `-Inf`

 public actual inline fun `sinh(x: Float): Float` = `nativeMath.sinh(x.toDouble()).toFloat()`

Computes the hyperbolic cosine of the value [x].
   
 Special cases:
 

- `cosh(NaN)` is NaN
- `cosh(+Inf|-Inf)` is `+Inf`

```

*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun cosh(x: Float): Float =
nativeMath.cosh(x.toDouble()).toFloat()\n\n/**\n * Computes the hyperbolic tangent of the value [x].\n *\n * Special cases:\n * - `tanh(NaN)` is `NaN`\n * - `tanh(+Inf)` is `1.0`\n * - `tanh(-Inf)` is `-1.0`\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun tanh(x: Float): Float =
nativeMath.tanh(x.toDouble()).toFloat()\n\n/**\n * Computes the inverse hyperbolic sine of the value [x].\n *\n * The returned value is `y` such that `sinh(y) == x`.\n *\n * Special cases:\n * - `asinh(NaN)` is `NaN`\n * - `asinh(+Inf)` is `+Inf`\n * - `asinh(-Inf)` is `-Inf`\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun asinh(x: Float): Float = nativeMath.asinh(x.toDouble()).toFloat()\n\n/**\n * Computes the inverse hyperbolic cosine of the value [x].\n *\n * The returned value is positive `y` such that `cosh(y) == x`.\n *\n * Special cases:\n * - `acosh(NaN)` is `NaN`\n * - `acosh(x)` is `NaN` when `x < 1`\n * - `acosh(+Inf)` is `+Inf`\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun acosh(x: Float): Float =
nativeMath.acosh(x.toDouble()).toFloat()\n\n/**\n * Computes the inverse hyperbolic tangent of the value [x].\n *\n * The returned value is `y` such that `tanh(y) == x`.\n *\n * Special cases:\n * - `tanh(NaN)` is `NaN`\n * - `tanh(x)` is `NaN` when `x > 1` or `x < -1`\n * - `tanh(1.0)` is `+Inf`\n * - `tanh(-1.0)` is `-Inf`\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun atanh(x: Float): Float =
nativeMath.atanh(x.toDouble()).toFloat()\n\n/**\n * Computes `sqrt(x^2 + y^2)` without intermediate overflow or underflow.\n *\n * Special cases:\n * - returns `+Inf` if any of arguments is infinite\n * - returns `NaN` if any of arguments is `NaN` and the other is not infinite\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun hypot(x: Float, y: Float): Float = nativeMath.hypot(x.toDouble(), y.toDouble()).toFloat()\n\n/**\n * Computes the positive square root of the value [x].\n *\n * Special cases:\n * - `sqrt(x)` is `NaN` when `x < 0` or `x` is `NaN`\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun sqrt(x: Float): Float =
nativeMath.sqrt(x.toDouble()).toFloat()\n\n/**\n * Computes Euler's number `e` raised to the power of the value [x].\n *\n * Special cases:\n * - `exp(NaN)` is `NaN`\n * - `exp(+Inf)` is `+Inf`\n * - `exp(-Inf)` is `0.0`\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun exp(x: Float): Float =
nativeMath.exp(x.toDouble()).toFloat()\n\n/**\n * Computes `exp(x) - 1`.\n *\n * This function can be implemented to produce more precise result for [x] near zero.\n *\n * Special cases:\n * - `expm1(NaN)` is `NaN`\n * - `expm1(+Inf)` is `+Inf`\n * - `expm1(-Inf)` is `-1.0`\n *\n * @see [exp] function.\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun expm1(x: Float): Float =
nativeMath.expm1(x.toDouble()).toFloat()\n\n/**\n * Computes the logarithm of the value [x] to the given [base].\n *\n * Special cases:\n * - `log(x, b)` is `NaN` if either `x` or `b` are `NaN`\n * - `log(x, b)` is `NaN` when `x < 0` or `b <= 0` or `b == 1.0`\n * - `log(+Inf, +Inf)` is `NaN`\n * - `log(+Inf, b)` is `+Inf` for `b > 1` and `-Inf` for `b < 1`\n * - `log(0.0, b)` is `-Inf` for `b > 1` and `+Inf` for `b > 1`\n *\n * See also logarithm functions for common fixed bases: [ln], [log10] and [log2].\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun log(x: Float, base: Float): Float = log(x.toDouble(), base.toDouble()).toFloat()\n\n/**\n * Computes the natural logarithm (base `E`) of the value [x].\n *\n * Special cases:\n * - `ln(NaN)` is `NaN`\n * - `ln(x)` is `NaN` when `x < 0.0`\n * - `ln(+Inf)` is `+Inf`\n * - `ln(0.0)` is `-Inf`\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun ln(x: Float): Float = nativeMath.log(x.toDouble()).toFloat()\n\n/**\n * Computes the common logarithm (base 10) of the value [x].\n *\n * @see [ln] function for special cases.\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun log10(x: Float): Float = nativeMath.log10(x.toDouble()).toFloat()\n\n/**\n * Computes the binary logarithm (base 2) of the value [x].\n *\n * @see [ln] function for special cases.\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun log2(x: Float): Float =
nativeMath.log2(x.toDouble()).toFloat()\n\n/**\n * Computes `ln(a + 1)`.\n *\n * This function can be implemented to produce more precise result for [x] near zero.\n *\n * Special cases:\n * - `ln1p(NaN)` is `NaN`\n * - `ln1p(x)` is `NaN` where `x < -1.0`\n * - `ln1p(-1.0)` is `-Inf`\n * - `ln1p(+Inf)` is `+Inf`\n *\n * @see [ln] function\n * @see [expm1] function\n */
*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun ln1p(x: Float): Float =
nativeMath.log1p(x.toDouble()).toFloat()\n\n/**\n * Rounds the given value [x] to an integer towards positive infinity.\n *\n * @return the smallest Float value that is greater than or equal to the given value [x] and is a mathematical integer.\n *\n * Special cases:\n * - `ceil(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a

```

mathematical integer.

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun ceil(x: Float): Float =
    nativeMath.ceil(x.toDouble()).toFloat()

```

Rounds the given value [x] to an integer towards negative infinity.

@return the largest Float value that is smaller than or equal to the given value [x] and is a mathematical integer.

Special cases:

- floor(x) is x where x is NaN or +Inf or -Inf or already a mathematical integer.

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun floor(x: Float): Float =
    nativeMath.floor(x.toDouble()).toFloat()

```

Rounds the given value [x] to an integer towards zero.

@return the value [x] having its fractional part truncated.

Special cases:

- truncate(x) is x where x is NaN or +Inf or -Inf or already a mathematical integer.

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun truncate(x: Float): Float =
    truncate(x.toDouble()).toFloat()

```

Rounds the given value [x] towards the closest integer with ties rounded towards even integer.

Special cases:

- round(x) is x where x is NaN or +Inf or -Inf or already a mathematical integer.

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun round(x: Float): Float =
    round(x.toDouble()).toFloat()

```

Returns the absolute value of the given value [x].

Special cases:

- abs(NaN) is NaN

@see absoluteValue extension property for [Float]

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun abs(x: Float): Float =
    nativeMath.abs(x.toDouble()).toFloat()

```

Returns the sign of the given value [x]:

- -1.0 if the value is negative,
- zero if the value is zero,
- 1.0 if the value is positive

Special case:

- sign(NaN) is NaN

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun sign(x: Float): Float =
    nativeMath.sign(x.toDouble()).toFloat()

```

Returns the smaller of two values.

If either value is NaN, then the result is NaN.

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun min(a: Float, b: Float): Float =
    nativeMath.min(a, b)

```

Returns the greater of two values.

If either value is NaN, then the result is NaN.

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun max(a: Float, b: Float): Float =
    nativeMath.max(a, b)

```

// extensions

Raises this value to the power [x].

Special cases:

- b.pow(0.0) is 1.0
- b.pow(1.0) == b
- b.pow(NaN) is NaN
- NaN.pow(x) is NaN for x != 0.0
- b.pow(Inf) is NaN for abs(b) == 1.0
- b.pow(x) is NaN for b < 0 and x is finite and not an integer

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun Float.pow(x: Float): Float =
    nativeMath.pow(this.toDouble(), x.toDouble()).toFloat()

```

Raises this value to the integer power [n].

See the other overload of [pow] for details.

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun Float.pow(n: Int): Float =
    nativeMath.pow(this.toDouble(), n.toDouble()).toFloat()

```

Returns the absolute value of this value.

Special cases:

- NaN.absoluteValue is NaN

@see abs function

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline val Float.absoluteValue: Float get() =
    nativeMath.abs(this.toDouble()).toFloat()

```

Returns the sign of this value:

- -1.0 if the value is negative,
- zero if the value is zero,
- 1.0 if the value is positive

Special case:

- NaN.sign is NaN

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline val Float.sign: Float get() =
    nativeMath.sign(this.toDouble()).toFloat()

```

Returns this value with the sign bit same as of the [sign] value.

If [sign] is NaN the sign of the result is undefined.

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun Float.withSign(sign: Float): Float =
    this.toDouble().withSign(sign.toDouble()).toFloat()

```

Returns this value with the sign bit same as of the [sign] value.

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun Float.withSign(sign: Int): Float =
    this.toDouble().withSign(sign.toDouble()).toFloat()

```

Rounds this [Float] value to the nearest integer and converts the result to [Int].

Ties are rounded towards positive infinity.

Special cases:

- x.roundToInt() == Int.MAX\_VALUE when x > Int.MAX\_VALUE
- x.roundToInt() == Int.MIN\_VALUE when x < Int.MIN\_VALUE

@throws IllegalArgumentException when this value is NaN

```

@SinceKotlin("1.2")
@InlineOnly
public actual inline fun Float.roundToInt(): Int =
    toDouble().roundToInt()

```

Rounds this [Float] value to the nearest integer and converts the result to [Long].

Ties are rounded towards positive infinity.

Special cases:

- x.roundToLong() == Long.MAX\_VALUE when x > Long.MAX\_VALUE
- x.roundToLong() == Long.MIN\_VALUE when x < Long.MIN\_VALUE

@throws IllegalArgumentException when this value is NaN

```

*^@SinceKotlin("1.2")^@InlineOnly^public actual inline fun Float.roundToLong(): Long =
toDouble().roundToLong()\n\n// endregion\n\n// region =====
=====^n\n\n/**\n * Returns the absolute value of the given value
[n].\n *\n * Special cases:\n * - `abs(Int.MIN_VALUE)` is `Int.MIN_VALUE` due to an overflow\n *\n * @see
absoluteValue extension property for [Int]\n *\n// TODO: remove manual 'or' when KT-19290 is
fixed\n@SinceKotlin("1.2")^public actual fun abs(n: Int): Int = if (n < 0) (-n or 0) else n\n\n/**\n * Returns the
smaller of two values.\n *\n@SinceKotlin("1.2")^@InlineOnly^public actual inline fun min(a: Int, b: Int): Int =
nativeMath.min(a, b)\n\n/**\n * Returns the greater of two values.\n
\n@SinceKotlin("1.2")^@InlineOnly^public actual inline fun max(a: Int, b: Int): Int = nativeMath.max(a,
b)\n\n/**\n * Returns the absolute value of this value.\n *\n * Special cases:\n * -
`Int.MIN_VALUE.absoluteValue` is `Int.MIN_VALUE` due to an overflow\n *\n * @see abs function\n
\n@SinceKotlin("1.2")^@InlineOnly^public actual inline val Int.absoluteValue: Int get() = abs(this)\n\n/**\n *
Returns the sign of this value:\n * - `-1` if the value is negative,\n * - `0` if the value is zero,\n * - `1` if the value
is positive\n *\n@SinceKotlin("1.2")^public actual val Int.sign: Int get() = when {\n  this < 0 -> -1\n  this > 0 -
> 1\n  else -> 0\n}\n\n\n/**\n * Returns the absolute value of the given value [n].\n *\n * Special cases:\n * -
`abs(Long.MIN_VALUE)` is `Long.MIN_VALUE` due to an overflow\n *\n * @see absoluteValue extension
property for [Long]\n *\n@SinceKotlin("1.2")^public actual fun abs(n: Long): Long = if (n < 0) -n else
n\n\n/**\n * Returns the smaller of two values.\n
\n@SinceKotlin("1.2")^@Suppress("NOTHING_TO_INLINE")^public actual inline fun min(a: Long, b:
Long): Long = if (a <= b) a else b\n\n/**\n * Returns the greater of two values.\n
\n@SinceKotlin("1.2")^@Suppress("NOTHING_TO_INLINE")^public actual inline fun max(a: Long, b:
Long): Long = if (a >= b) a else b\n\n/**\n * Returns the absolute value of this value.\n *\n * Special cases:\n * -
`Long.MIN_VALUE.absoluteValue` is `Long.MIN_VALUE` due to an overflow\n *\n * @see abs function\n
\n@SinceKotlin("1.2")^@InlineOnly^public actual inline val Long.absoluteValue: Long get() =
abs(this)\n\n/**\n * Returns the sign of this value:\n * - `-1` if the value is negative,\n * - `0` if the value is zero,\n
*\n * - `1` if the value is positive\n *\n@SinceKotlin("1.2")^public actual val Long.sign: Int get() = when {\n  this
< 0 -> -1\n  this > 0 -> 1\n  else -> 0\n}\n\n\n// endregion\n", /*\n * Copyright 2010-2021 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n *\npackage kotlin\n\n/**\n * Returns `true` if the specified
number is a\n * Not-a-Number (NaN) value, `false` otherwise.\n *\npublic actual fun Double.isNaN(): Boolean =
this != this\n\n/**\n * Returns `true` if the specified number is a\n * Not-a-Number (NaN) value, `false` otherwise.\n
\npublic actual fun Float.isNaN(): Boolean = this != this\n\n/**\n * Returns `true` if this value is infinitely large in
magnitude.\n *\npublic actual fun Double.isInfinite(): Boolean = this == Double.POSITIVE_INFINITY || this ==
Double.NEGATIVE_INFINITY\n\n/**\n * Returns `true` if this value is infinitely large in magnitude.\n *\npublic
actual fun Float.isInfinite(): Boolean = this == Float.POSITIVE_INFINITY || this ==
Float.NEGATIVE_INFINITY\n\n/**\n * Returns `true` if the argument is a finite floating-point value; returns
`false` otherwise (for `NaN` and infinity arguments).\n *\npublic actual fun Double.isFinite(): Boolean =
!isInfinite() && !isNaN()\n\n/**\n * Returns `true` if the argument is a finite floating-point value; returns `false`
otherwise (for `NaN` and infinity arguments).\n *\npublic actual fun Float.isFinite(): Boolean = !isInfinite() &&
!isNaN()\n\n/**\n * Counts the number of set bits in the binary representation of this [Int] number.\n
\n@SinceKotlin("1.4")^@WasExperimental(ExperimentalStdlibApi::class)^public actual fun
Int.countOneBits(): Int {\n  // Hacker's Delight 5-1 algorithm\n  var v = this\n  v = (v and 0x55555555) +
(v.ushr(1) and 0x55555555)\n  v = (v and 0x33333333) + (v.ushr(2) and 0x33333333)\n  v = (v and 0x0F0F0F0F)
+ (v.ushr(4) and 0x0F0F0F0F)\n  v = (v and 0x00FF00FF) + (v.ushr(8) and 0x00FF00FF)\n  v = (v and
0x0000FFFF) + (v.ushr(16))\n  return v\n}\n\n/**\n * Counts the number of consecutive most significant bits that
are zero in the binary representation of this [Int] number.\n
\n@SinceKotlin("1.4")^@WasExperimental(ExperimentalStdlibApi::class)^@kotlin.internal.InlineOnly^public
actual inline fun Int.countLeadingZeroBits(): Int = JsMath.clz32(this)\n\n/**\n * Counts the number of

```

consecutive least significant bits that are zero in the binary representation of this [Int] number.

```

*\/n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)npublish actual fun
Int.countTrailingZeroBits(): Int =\n // Hacker's Delight 5-4 algorithm for expressing countTrailingZeroBits with
countLeadingZeroBits\n Int.SIZE_BITS - (this or -this).inv().countLeadingZeroBits()\n\n/**\n * Returns a
number having a single bit set in the position of the most significant set bit of this [Int] number,\n * or zero, if this
number is zero.\n */n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)npublish actual fun
Int.takeHighestOneBit(): Int =\n if (this == 0) 0 else 1.shl(Int.SIZE_BITS - 1 - countLeadingZeroBits())\n\n/**\n *
Returns a number having a single bit set in the position of the least significant set bit of this [Int] number,\n * or
zero, if this number is zero.\n */n
*\/n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)npublish actual fun
Int.takeLowestOneBit(): Int =\n // Hacker's Delight 2-1 algorithm for isolating rightmost 1-bit\n this and -
this\n\n/**\n * Rotates the binary representation of this [Int] number left by the specified [bitCount] number of
bits.\n * The most significant bits pushed out from the left side reenter the number as the least significant bits on the
right side.\n * Rotating the number left by a negative bit count is the same as rotating it right by the negated bit
count:\n * `number.rotateLeft(-n) == number.rotateRight(n)`\n * Rotating by a multiple of [Int.SIZE_BITS] (32)
returns the same number, or more generally\n * `number.rotateLeft(n) == number.rotateLeft(n % 32)`\n */n
*\/n@SinceKotlin("1.6")n@WasExperimental(ExperimentalStdlibApi::class)npublish actual fun
Int.rotateLeft(bitCount: Int): Int =\n shl(bitCount) or ushr(Int.SIZE_BITS - bitCount)\n\n\n/**\n * Rotates the
binary representation of this [Int] number right by the specified [bitCount] number of bits.\n * The least significant
bits pushed out from the right side reenter the number as the most significant bits on the left side.\n * Rotating
the number right by a negative bit count is the same as rotating it left by the negated bit count:\n *
`number.rotateRight(-n) == number.rotateLeft(n)`\n * Rotating by a multiple of [Int.SIZE_BITS] (32) returns
the same number, or more generally\n * `number.rotateRight(n) == number.rotateRight(n % 32)`\n */n
*\/n@SinceKotlin("1.6")n@WasExperimental(ExperimentalStdlibApi::class)npublish actual fun
Int.rotateRight(bitCount: Int): Int =\n shl(Int.SIZE_BITS - bitCount) or ushr(bitCount)\n\n\n/**\n * Counts the
number of set bits in the binary representation of this [Long] number.\n */n
*\/n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)npublish actual fun
Long.countOneBits(): Int =\n high.countOneBits() + low.countOneBits()\n\n\n/**\n * Counts the number of
consecutive most significant bits that are zero in the binary representation of this [Long] number.\n */n
*\/n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)npublish actual fun
Long.countLeadingZeroBits(): Int =\n when (val high = this.high) {\n 0 -> Int.SIZE_BITS +
low.countLeadingZeroBits()\n else -> high.countLeadingZeroBits()\n }\n\n\n/**\n * Counts the number of
consecutive least significant bits that are zero in the binary representation of this [Long] number.\n */n
*\/n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)npublish actual fun
Long.countTrailingZeroBits(): Int =\n when (val low = this.low) {\n 0 -> Int.SIZE_BITS +
high.countTrailingZeroBits()\n else -> low.countTrailingZeroBits()\n }\n\n\n/**\n * Returns a number having a
single bit set in the position of the most significant set bit of this [Long] number,\n * or zero, if this number is
zero.\n */n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)npublish actual fun
Long.takeHighestOneBit(): Long =\n when (val high = this.high) {\n 0 -> Long(low.takeHighestOneBit(),
0)\n else -> Long(0, high.takeHighestOneBit())\n }\n\n\n/**\n * Returns a number having a single bit set in the
position of the least significant set bit of this [Long] number,\n * or zero, if this number is zero.\n */n
*\/n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)npublish actual fun
Long.takeLowestOneBit(): Long =\n when (val low = this.low) {\n 0 -> Long(0, high.takeLowestOneBit())\n
else -> Long(low.takeLowestOneBit(), 0)\n }\n\n\n/**\n * Rotates the binary representation of this [Long]
number left by the specified [bitCount] number of bits.\n * The most significant bits pushed out from the left side
reenter the number as the least significant bits on the right side.\n * Rotating the number left by a negative bit
count is the same as rotating it right by the negated bit count:\n * `number.rotateLeft(-n) ==
number.rotateRight(n)`\n * Rotating by a multiple of [Long.SIZE_BITS] (64) returns the same number, or more

```

```

generally\n * `number.rotateLeft(n) == number.rotateLeft(n % 64)`\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic actual fun
Long.rotateLeft(bitCount: Int): Long {\n    if ((bitCount and 31) != 0) {\n        val low = this.low\n        val high =
this.high\n        val newLow = low.shl(bitCount) or high.ushr(-bitCount)\n        val newHigh = high.shl(bitCount) or
low.ushr(-bitCount)\n        return if ((bitCount and 32) == 0) Long(newLow, newHigh) else Long(newHigh,
newLow)\n    } else {\n        return if ((bitCount and 32) == 0) this else Long(high, low)\n    }\n}\n\n/>\n *
Rotates the binary representation of this [Long] number right by the specified [bitCount] number of bits.\n * The
least significant bits pushed out from the right side reenter the number as the most significant bits on the left side.\n
*\n * Rotating the number right by a negative bit count is the same as rotating it left by the negated bit count:\n *
`number.rotateRight(-n) == number.rotateLeft(n)`\n *\n * Rotating by a multiple of [Long.SIZE_BITS] (64) returns
the same number, or more generally\n * `number.rotateRight(n) == number.rotateRight(n % 64)`\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic
actual inline fun Long.rotateRight(bitCount: Int): Long = rotateLeft(-bitCount)\n", "/*\n * Copyright 2010-2018
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.js\n\nimport
kotlin.internal.LowPriorityInOverloadResolution\n\n/>\n * Exposes the JavaScript [Promise
object](https://developer.mozilla.org/en/docs/Web/JavaScript/Reference/Global_Objects/Promise) to Kotlin.\n
*\n@Suppress("NOT_DOCUMENTED")\npublic open external class Promise<out T>(executor: (resolve: (T) ->
Unit, reject: (Throwable) -> Unit) -> Unit) {\n    @LowPriorityInOverloadResolution\n    public open fun <S>
then(onFulfilled: ((T) -> S)?): Promise<S>\n\n    @LowPriorityInOverloadResolution\n    public open fun <S>
then(onFulfilled: ((T) -> S)?, onRejected: ((Throwable) -> S)?): Promise<S>\n\n    public open fun <S>
catch(onRejected: (Throwable) -> S): Promise<S>\n\n    public open fun finally(onFinally: () -> Unit):
Promise<T>\n\n    companion object {\n        public fun <S> all(promise: Array<out Promise<S>>):
Promise<Array<out S>>\n\n        public fun <S> race(promise: Array<out Promise<S>>): Promise<S>\n\n        public fun reject(e: Throwable): Promise<Nothing>\n\n        public fun <S> resolve(e: S): Promise<S>\n        public
fun <S> resolve(e: Promise<S>): Promise<S>\n    }\n}\n\n// It's workaround for KT-19672 since we can fix it
properly until KT-11265 isn't fixed.\n\ninline fun <T, S> Promise<Promise<T>>.then(\n    noinline onFulfilled: ((T) ->
S)?\n): Promise<S> {\n    return this.unsafeCast<Promise<T>>().then(onFulfilled)\n}\n\n\ninline fun <T, S>
Promise<Promise<T>>.then(\n    noinline onFulfilled: ((T) -> S)?,\n    noinline onRejected: ((Throwable) -> S)?\n):
Promise<S> {\n    return this.unsafeCast<Promise<T>>().then(onFulfilled, onRejected)\n}\n", "/*\n * Copyright
2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage
kotlin.random\n\nimport kotlin.math.pow\n\ninternal actual fun defaultPlatformRandom(): Random =\nRandom(js{"(Math.random() * Math.pow(2, 32)) | 0").unsafeCast<Int>())\n\nprivate val INV_2_26: Double =
2.0.pow(-26)\nprivate val INV_2_53: Double = 2.0.pow(-53)\n\ninternal actual fun doubleFromParts(hi26: Int, low27:
Int): Double =\n    hi26 * INV_2_26 + low27 * INV_2_53", "/*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage kotlin.reflect\n\nimport findAssociatedObject\n\n/>\n * The
experimental marker for associated objects API.\n *\n * Any usage of a declaration annotated with
`@ExperimentalAssociatedObjects` must be accepted either by\n *\n * annotating that usage with the [OptIn]
annotation, e.g. `@OptIn(ExperimentalAssociatedObjects::class)`,\n *\n * or by using the compiler argument
`-opt-in=kotlin.reflect.ExperimentalAssociatedObjects`.\n *\n@RequiresOptIn(level =
RequiresOptIn.Level.ERROR)\n@Retention(value = AnnotationRetention.BINARY)\npublic annotation class
ExperimentalAssociatedObjects\n\n/>\n * Makes the annotated annotation class an associated object key.\n *\n *
An associated object key annotation should have single [KClass] parameter.\n *\n * When applied to a class with
reference to an object declaration as an argument, it binds\n *\n * the object to the class, making this binding
discoverable at runtime using [findAssociatedObject].\n
*\n@ExperimentalAssociatedObjects\n@Retention(AnnotationRetention.BINARY)\n@Target(AnnotationTarget.A

```

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ANNOTATION_CLASS)\npublic annotation class AssociatedObjectKey\n\n/**\n * If [T] is an
@[AssociatedObjectKey]-annotated annotation class and [this] class is annotated with @[T] (`S::class`),\n * returns
object `S`.\n * Otherwise returns `null`.\n */\n@ExperimentalAssociatedObjects\npublic inline fun <reified T :
Annotation> KClass<*>.findAssociatedObject(): Any? =\n this.findAssociatedObject(T::class"),"/*\n * Copyright
2010-2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.js\n\nimport
getKClass\nimport kotlin.reflect.KClass\nimport kotlin.reflect.js.internal.KClassImpl\n\n/**\n * Represents the
constructor of a class. Instances of `JsClass` can be passed to JavaScript APIs that expect a constructor reference.\n
*/\n\nexternal interface JsClass<T : Any> {\n /**\n * Returns the unqualified name of the class represented by
this instance.\n */\n val name: String\n}\n\n/**\n * Obtains a constructor reference for the given `KClass`.\n
*/\n\nval <T : Any> KClass<T>.js: JsClass<T>\n get() = (this as KClassImpl<T>).jClass\n\n/**\n * Obtains a
`KClass` instance for the given constructor reference.\n */\n\nval <T : Any> JsClass<T>.kotlin: KClass<T>\n get()
= getKClass(this)\n","/*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.reflect.js.internal\n\nimport kotlin.reflect.*\n\ninternal abstract
class KClassImpl<T : Any>(\n internal open val jClass: JsClass<T>\n) : KClass<T> {\n\n override val
qualifiedName: String?\n get() = TODO()\n\n override fun equals(other: Any?): Boolean {\n return other
is KClassImpl<*> && jClass == other.jClass\n }\n\n // TODO: use FQN\n override fun hashCode(): Int =
simpleName?.hashCode() ?: 0\n\n override fun toString(): String {\n // TODO: use FQN\n return "\"class
$simpleName\"\n }\n}\n\ninternal class SimpleKClassImpl<T : Any>(jClass: JsClass<T>) :
KClassImpl<T>(jClass) {\n override val simpleName: String? =
jClass.asDynamic().`$metadata$`.simpleName.unsafeCast<String?>()\n\n override fun isInstance(value: Any?):
Boolean {\n return jsIsType(value, jClass)\n }\n}\n\ninternal class PrimitiveKClassImpl<T : Any>(\n
jClass: JsClass<T>,\n private val givenSimpleName: String,\n private val isInstanceFunction: (Any?) ->
Boolean\n) : KClassImpl<T>(jClass) {\n override fun equals(other: Any?): Boolean {\n if (other !is
PrimitiveKClassImpl<*>) return false\n return super.equals(other) && givenSimpleName ==
other.givenSimpleName\n }\n\n override val simpleName: String? get() = givenSimpleName\n\n override fun
isInstance(value: Any?): Boolean {\n return isInstanceFunction(value)\n }\n}\n\ninternal object
NothingKClassImpl : KClassImpl<Nothing>(js("Object")) {\n override val simpleName: String =
"Nothing"\n\n override fun isInstance(value: Any?): Boolean = false\n\n override val jClass:
JsClass<Nothing>\n get() = throw UnsupportedOperationException("There's no native JS class for Nothing
type")\n\n override fun equals(other: Any?): Boolean = other === this\n\n override fun hashCode(): Int =
0\n}\n\ninternal class ErrorKClass : KClass<Nothing> {\n override val simpleName: String? get() =
error("Unknown simpleName for ErrorKClass")\n\n override val qualifiedName: String? get() = error("Unknown
qualifiedName for ErrorKClass")\n\n override fun isInstance(value: Any?): Boolean = error("Can't check
isInstance on ErrorKClass")\n\n override fun equals(other: Any?): Boolean = other === this\n\n override fun
hashCode(): Int = 0\n","/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.reflect\n\ninternal actual inline val
KClass<*>.qualifiedOrSimpleName: String?\n get() = simpleName","/*\n * Copyright 2010-2018 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n */\n\n// a package is omitted to get declarations directly under
the module\n\n// TODO: Remove once JsReflectionAPICallChecker supports more reflection
types\n@file:Suppress("Unsupported")\n\nimport kotlin.reflect.*\nimport
kotlin.reflect.js.internal.*\n\n@JsName("createKType")\ninternal fun createKType(\n classifier: KClassifier,\n
arguments: Array<KTypeProjection>,\n isMarkedNullable: Boolean\n) =\n KTypeImpl(classifier,
arguments.asList(), isMarkedNullable)\n\n@JsName("createDynamicKType")\ninternal fun
createDynamicKType(): KType = DynamicKType\n\n@JsName("markKTypeNullable")\ninternal fun

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markKTypeNullable(kType: KType) = KTypeImpl(kType.classifier!!, kType.arguments,
true)\n\n@JsName("createKTypeParameter")\n\ninternal fun createKTypeParameter(\n name: String,\n
upperBounds: Array<KType>,\n variance: String\n): KTypeParameter {\n val kVariance = when (variance) {\n
"\"in\" -> KVariance.IN\n "\"out\" -> KVariance.OUT\n else -> KVariance.INVARIANT\n }\n\n return
KTypeParameterImpl(name, upperBounds.asList(), kVariance,
false)\n}\n\n@JsName("getStarKTypeProjection")\n\ninternal fun getStarKTypeProjection(): KTypeProjection =\n
KTypeProjection.STAR\n\n@JsName("createCovariantKTypeProjection")\n\ninternal fun
createCovariantKTypeProjection(type: KType): KTypeProjection =\n
KTypeProjection.covariant(type)\n\n@JsName("createInvariantKTypeProjection")\n\ninternal fun
createInvariantKTypeProjection(type: KType): KTypeProjection =\n
KTypeProjection.invariant(type)\n\n@JsName("createContravariantKTypeProjection")\n\ninternal fun
createContravariantKTypeProjection(type: KType): KTypeProjection =\n
KTypeProjection.contravariant(type)\n\n", /*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.reflect.js.internal\n\nimport kotlin.reflect.*\n\ninternal class
KTypeImpl(\n override val classifier: KClassifier,\n override val arguments: List<KTypeProjection>,\n
override val isMarkedNullable: Boolean\n) : KType {\n override fun equals(other: Any?): Boolean =\n other
is KTypeImpl &&\n classifier == other.classifier && arguments == other.arguments &&
isMarkedNullable == other.isMarkedNullable\n\n override fun hashCode(): Int =\n (classifier.hashCode() * 31
+ arguments.hashCode()) * 31 + isMarkedNullable.hashCode()\n\n override fun toString(): String {\n val
kClass = (classifier as? KClass<*>)\n val classifierName = when {\n kClass == null ->
classifier.toString()\n kClass.simpleName != null -> kClass.simpleName\n else -> \"(non-denotable
type)\"\n }\n\n val args =\n if (arguments.isEmpty()) \"\"\n else arguments.joinToString(\" \", \"
\", \"<\", \">\")\n val nullable = if (isMarkedNullable) \"?\" else \"\"\n\n return classifierName + args +
nullable\n }\n}\n\ninternal object DynamicKType : KType {\n override val classifier: KClassifier? = null\n
override val arguments: List<KTypeProjection> = emptyList()\n override val isMarkedNullable: Boolean = false\n
override fun toString(): String = \"dynamic\"\n}\n\n", /*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage kotlin.reflect.js.internal\n\nimport kotlin.reflect.*\n\ninternal
data class KTypeParameterImpl(\n override val name: String,\n override val upperBounds: List<KType>,\n
override val variance: KVariance,\n override val isReified: Boolean\n) : KTypeParameter {\n override fun
toString(): String = name\n}\n\n", /*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.reflect.js.internal\n\nimport
kotlin.js.JsClass\n\n@JsName("PrimitiveClasses")\n\ninternal object PrimitiveClasses {\n
@JsName("anyClass")\n val anyClass = PrimitiveKClassImpl(js("Object").unsafeCast<JsClass<Any>>(),
"Any", { it is Any })\n\n @JsName("numberClass")\n val numberClass =
PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Number>>(), "Number", { it is Number })\n\n
@JsName("nothingClass")\n val nothingClass = NothingKClassImpl\n\n @JsName("booleanClass")\n val
booleanClass = PrimitiveKClassImpl(js("Boolean").unsafeCast<JsClass<Boolean>>(), "Boolean", { it is Boolean
})\n\n @JsName("byteClass")\n val byteClass =
PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Byte>>(), "Byte", { it is Byte })\n\n
@JsName("shortClass")\n val shortClass = PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Short>>(),
"Short", { it is Short })\n\n @JsName("intClass")\n val intClass =
PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Int>>(), "Int", { it is Int })\n\n
@JsName("floatClass")\n val floatClass = PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Float>>(),
"Float", { it is Float })\n\n @JsName("doubleClass")\n val doubleClass =
PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Double>>(), "Double", { it is Double })\n}

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@JsName("arrayClass")\n val arrayClass =
PrimitiveKClassImpl(js("Array").unsafeCast<JsClass<Array<*>>>(), "Array", { it is Array<*> })\n\n
@JsName("stringClass")\n val stringClass = PrimitiveKClassImpl(js("String").unsafeCast<JsClass<String>>(),
"String", { it is String })\n\n
@JsName("throwableClass")\n val throwableClass =
PrimitiveKClassImpl(js("Error").unsafeCast<JsClass<Throwable>>(), "Throwable", { it is Throwable })\n\n
@JsName("booleanArrayClass")\n val booleanArrayClass =
PrimitiveKClassImpl(js("Array").unsafeCast<JsClass<BooleanArray>>(), "BooleanArray", { it is BooleanArray
})\n\n
@JsName("charArrayClass")\n val charArrayClass =
PrimitiveKClassImpl(js("Uint16Array").unsafeCast<JsClass<CharArray>>(), "CharArray", { it is CharArray
})\n\n
@JsName("byteArrayClass")\n val byteArrayClass =
PrimitiveKClassImpl(js("Int8Array").unsafeCast<JsClass<ByteArray>>(), "ByteArray", { it is ByteArray })\n\n
@JsName("shortArrayClass")\n val shortArrayClass =
PrimitiveKClassImpl(js("Int16Array").unsafeCast<JsClass<ShortArray>>(), "ShortArray", { it is ShortArray
})\n\n
@JsName("intArrayClass")\n val intArrayClass =
PrimitiveKClassImpl(js("Int32Array").unsafeCast<JsClass<IntArray>>(), "IntArray", { it is IntArray })\n\n
@JsName("longArrayClass")\n val longArrayClass =
PrimitiveKClassImpl(js("Array").unsafeCast<JsClass<LongArray>>(), "LongArray", { it is LongArray })\n\n
@JsName("floatArrayClass")\n val floatArrayClass =
PrimitiveKClassImpl(js("Float32Array").unsafeCast<JsClass<FloatArray>>(), "FloatArray", { it is FloatArray
})\n\n
@JsName("doubleArrayClass")\n val doubleArrayClass =
PrimitiveKClassImpl(js("Float64Array").unsafeCast<JsClass<DoubleArray>>(), "DoubleArray", { it is
DoubleArray })\n\n
@JsName("functionClass")\n fun functionClass(arity: Int): KClassImpl<Any> {\n
return functionClasses.get(arity) ?: run {\n val result =
PrimitiveKClassImpl(js("Function").unsafeCast<JsClass<Any>>(), "Function$arity",\n
{ jsTypeOf(it) === "function" && it.asDynamic().length === arity })\n functionClasses.asDynamic()[arity]
= result\n result\n }\n }\n\nprivate val functionClasses =
arrayOfNulls<KClassImpl<Any>>(0), "/*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\n a package is omitted to get declarations directly under the module\n\nimport
kotlin.reflect.*\nimport kotlin.reflect.js.internal.*\n\n@JsName("getKClass")\n\ninternal fun <T : Any>
getKClass(jClass: Any /* JsClass<T> | Array<JsClass<T>> */): KClass<T> {\n return if
(js("Array").isArray(jClass)) {\n getKClassM(jClass.unsafeCast<Array<JsClass<T>>>())\n } else {\n
getKClass1(jClass.unsafeCast<JsClass<T>>())\n }\n }\n\n@JsName("getKClassM")\n\ninternal fun <T : Any>
getKClassM(jClasses: Array<JsClass<T>>): KClass<T> = when (jClasses.size) {\n 1 ->
getKClass1(jClasses[0])\n 0 -> NothingKClassImpl.unsafeCast<KClass<T>>()\n else ->
ErrorKClass().unsafeCast<KClass<T>>()\n }\n\n@JsName("getKClassFromExpression")\n\ninternal fun <T : Any>
getKClassFromExpression(e: T): KClass<T> =\n when (jsTypeOf(e)) {\n "string" ->
PrimitiveClasses.stringClass\n "number" -> if (jsBitwiseOr(e, 0).asDynamic() === e)
PrimitiveClasses.intClass else PrimitiveClasses.doubleClass\n "boolean" -> PrimitiveClasses.booleanClass\n
"function" -> PrimitiveClasses.functionClass(e.asDynamic().length)\n else -> {\n when {\n e
is BooleanArray -> PrimitiveClasses.booleanArrayClass\n e is CharArray ->
PrimitiveClasses.charArrayClass\n e is ByteArray -> PrimitiveClasses.byteArrayClass\n e is
ShortArray -> PrimitiveClasses.shortArrayClass\n e is IntArray -> PrimitiveClasses.intArrayClass\n
e is LongArray -> PrimitiveClasses.longArrayClass\n e is FloatArray ->
PrimitiveClasses.floatArrayClass\n e is DoubleArray -> PrimitiveClasses.doubleArrayClass\n e is
KClass<*> -> KClass::class\n e is Array<*> -> PrimitiveClasses.arrayClass\n else -> {\n
val constructor = js("Object").getPrototypeOf(e).constructor\n when {\n constructor
=== js("Object") -> PrimitiveClasses.anyClass\n constructor === js("Error") ->

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PrimitiveClasses.throwableClass\n                else -> {\n                val jsClass: JsClass<T> =
constructor\n                getKClass1(jsClass)\n                }\n                }\n                }\n                }\n
}\n }.unsafeCast<KClass<T>>()\n\n@JsName("getKClass1")\n\ninternal fun <T : Any> getKClass1(jClass:
JsClass<T>): KClass<T> {\n if (jClass === js("String")) return
PrimitiveClasses.stringClass.unsafeCast<KClass<T>>()\n\n val metadata = jClass.asDynamic().`$metadata$\n\n
return if (metadata != null) {\n if (metadata.`$kClass$` == null) {\n val kClass =
SimpleKClassImpl(jClass)\n metadata.`$kClass$` = kClass\n kClass\n } else {\n
metadata.`$kClass$`\n }\n } else {\n SimpleKClassImpl(jClass)\n }\n }","/*\n * Copyright 2010-2018
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.js\n\n/**\n * Exposes
the JavaScript [RegExp
object](https://developer.mozilla.org/en/docs/Web/JavaScript/Reference/Global_Objects/RegExp) to Kotlin.\n
*\n\n@Suppress("NOT_DOCUMENTED")\n\npublic external class RegExp(pattern: String, flags: String? =
definedExternally) {\n\n public fun test(str: String): Boolean\n\n public fun exec(str: String): RegExpMatch?{\n\n
public override fun toString(): String\n\n /**\n * The lastIndex is a read/write integer property of regular
expressions that specifies the index at which to start the next match.\n *\n public var lastIndex: Int\n\n public
val global: Boolean\n\n public val ignoreCase: Boolean\n\n public val multiline: Boolean\n\n}\n\n/**\n * Resets the
regular expression so that subsequent [RegExp.test] and [RegExp.exec] calls will match starting with the beginning
of the input string.\n *\n\npublic fun RegExp.reset() {\n lastIndex = 0\n}\n\n// TODO: Inherit from array or
introduce asArray() extension\n\n/**\n * Represents the return value of [RegExp.exec].\n
*\n\n@Suppress("NOT_DOCUMENTED")\n\npublic external interface RegExpMatch {\n\n public val index: Int\n\n
public val input: String\n\n public val length: Int\n\n}\n\n/**\n * Returns the entire text matched by [RegExp.exec] if
the [index] parameter is 0, or the text matched by the capturing parenthesis\n * at the given index.\n *\n\npublic inline
operator fun RegExpMatch.get(index: Int): String? = asDynamic()[index]\n\n/**\n * Converts the result of
[RegExp.exec] to an array where the first element contains the entire matched text and each subsequent\n * element
is the text matched by each capturing parenthesis.\n *\n\npublic inline fun RegExpMatch.asArray(): Array<out
String?> = unsafeCast<Array<out String?>>()\n\n","/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage kotlin.sequences\n\n\ninternal actual class
ConstrainedOnceSequence<T> actual constructor(sequence: Sequence<T>) : Sequence<T> {\n\n private var
sequenceRef: Sequence<T>? = sequence\n\n\n actual override fun iterator(): Iterator<T> {\n\n val sequence =
sequenceRef ?: throw IllegalStateException("This sequence can be consumed only once.")\n\n sequenceRef =
null\n\n return sequence.iterator()\n\n }\n\n","/*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage kotlin.text\n\n\n@SinceKotlin("1.5")\n\npublic actual enum
class CharCategory(internal val value: Int, public actual val code: String) {\n\n /**\n * General category "Cn" in
the Unicode specification.\n *\n UNASSIGNED(0, "Cn"),\n\n /**\n * General category "Lu" in the
Unicode specification.\n *\n UPPERCASE_LETTER(1, "Lu"),\n\n /**\n * General category "Ll" in the
Unicode specification.\n *\n LOWERCASE_LETTER(2, "Ll"),\n\n /**\n * General category "Lt" in the
Unicode specification.\n *\n TITLECASE_LETTER(3, "Lt"),\n\n /**\n * General category "Lm" in the
Unicode specification.\n *\n MODIFIER_LETTER(4, "Lm"),\n\n /**\n * General category "Lo" in the
Unicode specification.\n *\n OTHER_LETTER(5, "Lo"),\n\n /**\n * General category "Mn" in the
Unicode specification.\n *\n NON_SPACING_MARK(6, "Mn"),\n\n /**\n * General category "Me" in
the Unicode specification.\n *\n ENCLOSING_MARK(7, "Me"),\n\n /**\n * General category "Mc" in
the Unicode specification.\n *\n COMBINING_SPACING_MARK(8, "Mc"),\n\n /**\n * General
category "Nd" in the Unicode specification.\n *\n DECIMAL_DIGIT_NUMBER(9, "Nd"),\n\n /**\n *
General category "NI" in the Unicode specification.\n *\n LETTER_NUMBER(10, "NI"),\n\n /**\n *
General category "No" in the Unicode specification.\n *\n OTHER_NUMBER(11, "No"),\n\n /**\n *

```



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operation.\n * For example, reversing ""\uDC00\uD800"" produces ""\uD800\uDC00"" which is a valid
surrogate pair.\n */\n actual fun reverse(): StringBuilder {\n     var reversed = ""\n     var index =
string.length - 1\n     while (index >= 0) {\n         val low = string[index--]\n         if (low.isLowSurrogate() &&
index >= 0) {\n             val high = string[index--]\n             if (high.isHighSurrogate()) {\n                 reversed =
reversed + high + low\n             } else {\n                 reversed = reversed + low + high\n             }\n         }
else {\n             reversed += low\n         }\n     }\n     string = reversed\n     return this\n }\n\n /**\n *
Appends the string representation of the specified object [value] to this string builder and returns this instance.\n
*\n * The overall effect is exactly as if the [value] were converted to a string by the `value.toString()` method,\n
* and then that string was appended to this string builder.\n */\n actual fun append(value: Any?): StringBuilder {\n     string += value.toString()\n     return this\n }\n\n /**\n * Appends the string representation of the
specified boolean [value] to this string builder and returns this instance.\n *\n * The overall effect is exactly as
if the [value] were converted to a string by the `value.toString()` method,\n * and then that string was appended to
this string builder.\n */\n @SinceKotlin("1.3")\n actual fun append(value: Boolean): StringBuilder {\n     string += value\n     return this\n }\n\n /**\n * Appends characters in the specified character array [value] to
this string builder and returns this instance.\n *\n * Characters are appended in order, starting at the index 0.\n
*/\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n actual fun append(value:
CharArray): StringBuilder {\n     string += value.concatToString()\n     return this\n }\n\n @Deprecated("Provided for binary compatibility.", level = DeprecationLevel.HIDDEN)\n fun append(value:
String): StringBuilder = append(value)\n\n /**\n * Appends the specified string [value] to this string builder and
returns this instance.\n *\n * If [value] is `null`, then the four characters "null" are appended.\n */\n
@SinceKotlin("1.3")\n actual fun append(value: String?): StringBuilder {\n     this.string += value ?: "null"\n     return this\n }\n\n /**\n * Returns the current capacity of this string builder.\n *\n * The capacity is the
maximum length this string builder can have before an allocation occurs.\n *\n * In Kotlin/JS implementation
of StringBuilder the value returned from this method may not indicate the actual size of the backing storage.\n
*/\n @SinceKotlin("1.3")\n // @ExperimentalStdlibApi\n @Deprecated("Obtaining StringBuilder capacity is
not supported in JS and common code.", level = DeprecationLevel.ERROR)\n actual fun capacity(): Int =
length\n\n /**\n * Ensures that the capacity of this string builder is at least equal to the specified
[minimumCapacity].\n *\n * If the current capacity is less than the [minimumCapacity], a new backing storage
is allocated with greater capacity.\n * Otherwise, this method takes no action and simply returns.\n *\n * In
Kotlin/JS implementation of StringBuilder the size of the backing storage is not extended to comply the given
[minimumCapacity],\n * thus calling this method has no effect on the further performance of operations.\n */\n
@SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n actual fun
ensureCapacity(minimumCapacity: Int) {\n }\n\n /**\n * Returns the index within this string builder of the
first occurrence of the specified [string].\n *\n * Returns -1 if the specified [string] does not occur in this
string builder.\n */\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n actual
fun indexOf(string: String): Int = this.string.asDynamic().indexOf(string)\n\n /**\n * Returns the index within
this string builder of the first occurrence of the specified [string],\n * starting at the specified [startIndex].\n *\n
* Returns -1 if the specified [string] does not occur in this string builder starting at the specified [startIndex].\n
*/\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n actual fun indexOf(string:
String, startIndex: Int): Int = this.string.asDynamic().indexOf(string, startIndex)\n\n /**\n * Returns the index
within this string builder of the last occurrence of the specified [string].\n * The last occurrence of empty string
"" is considered to be at the index equal to this.length.\n *\n * Returns -1 if the specified [string] does not
occur in this string builder.\n */\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n actual fun lastIndexOf(string: String): Int =
this.string.asDynamic().lastIndexOf(string)\n\n /**\n * Returns the index within this string builder of the last
occurrence of the specified [string],\n * starting from the specified [startIndex] toward the beginning.\n *\n
* Returns -1 if the specified [string] does not occur in this string builder starting at the specified [startIndex].\n
*/\n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n actual fun

```

```

lastIndexOf(string: String, startIndex: Int): Int {
    if (string.isEmpty() && startIndex < 0) return -1
    return this.string.asDynamic().lastIndexOf(string, startIndex)
}

/**
 * Inserts the string representation of the
 * specified boolean [value] into this string builder at the specified [index] and returns this instance.
 * The overall effect is exactly as if the [value] were converted to a string by the `value.toString()` method,
 * and then that string was inserted into this string builder at the specified [index].
 * @throws
 * IndexOutOfBoundsException if [index] is less than zero or greater than the length of this string builder.
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
actual fun insert(index: Int, value: Boolean): String Builder {
    AbstractList.checkPositionIndex(index, length)
    string = string.substring(0, index) + value + string.substring(index)
    return this
}

/**
 * Inserts the specified character [value]
 * into this string builder at the specified [index] and returns this instance.
 * @throws
 * IndexOutOfBoundsException if [index] is less than zero or greater than the length of this string builder.
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
actual fun insert(index: Int, value: Char): String Builder {
    AbstractList.checkPositionIndex(index, length)
    string = string.substring(0, index) + value + string.substring(index)
    return this
}

/**
 * Inserts characters in the specified
 * character array [value] into this string builder at the specified [index] and returns this instance.
 * The inserted characters go in same order as in the [value] character array, starting at [index].
 * @throws
 * IndexOutOfBoundsException if [index] is less than zero or greater than the length of this string builder.
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
actual fun insert(index: Int, value: CharArray): String Builder {
    AbstractList.checkPositionIndex(index, length)
    string = string.substring(0, index) + value.concatToString() + string.substring(index)
    return this
}

/**
 * Inserts characters in the specified character sequence [value] into this string builder at the specified [index] and
 * returns this instance.
 * The inserted characters go in the same order as in the [value] character sequence,
 * starting at [index].
 * @param index the position in this string builder to insert at.
 * @param value the character sequence from which characters are inserted. If [value] is `null`, then the four characters `"\null"` are
 * inserted.
 * @throws IndexOutOfBoundsException if [index] is less than zero or greater than the length of
 * this string builder.
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
actual fun insert(index: Int, value: CharSequence?): String Builder {
    AbstractList.checkPositionIndex(index, length)
    string = string.substring(0, index) + value.toString() + string.substring(index)
    return this
}

/**
 * Inserts the string representation of the specified object [value] into this string builder at the
 * specified [index] and returns this instance.
 * The overall effect is exactly as if the [value] were converted
 * to a string by the `value.toString()` method,
 * and then that string was inserted into this string builder at the
 * specified [index].
 * @throws IndexOutOfBoundsException if [index] is less than zero or greater than the
 * length of this string builder.
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
actual fun insert(index: Int, value: Any?): String Builder {
    AbstractList.checkPositionIndex(index, length)
    string = string.substring(0, index) + value.toString() + string.substring(index)
    return this
}

@Deprecated("Provided for binary compatibility.", level = DeprecationLevel.HIDDEN)
fun insert(index: Int, value: String): String Builder = insert(index, value)

/**
 * Inserts the string [value] into this string builder at the specified [index] and returns this instance.
 * If [value] is `null`, then the four characters `"\null"` are inserted.
 * @throws IndexOutOfBoundsException if [index] is less than zero or greater than the length of this string builder.
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
actual fun insert(index: Int, value: String?): String Builder {
    AbstractList.checkPositionIndex(index, length)
    val toInsert = value ?: "\null"
    this.string = this.string.substring(0, index) + toInsert + this.string.substring(index)
    return this
}

/**
 * Sets the length of this string builder to the specified [newLength].
 * If the [newLength] is less than the current length, it is changed to the specified [newLength].
 * Otherwise, null characters '\u0000' are appended to this string builder until its length is less than the [newLength].
 * Note that in Kotlin/JS [set] operator function has non-constant execution time complexity.
 * Therefore, increasing length of this string builder and then updating each character by index may slow down your program.
 * @throws

```

```

IndexOutOfBoundsException or [IllegalArgumentException] if [newLength] is less than zero.\n  */\n
@SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n actual fun setLength(newLength:
Int) {\n    if (newLength < 0) {\n        throw IllegalArgumentException("Negative new length:
$newLength.")\n    }\n    if (newLength <= length) {\n        string = string.substring(0, newLength)\n    }
else {\n        for (i in length until newLength) {\n            string += "\u0000"\n        }\n    }\n} /**\n * Returns a new [String] that contains characters in this string builder at [startIndex] (inclusive) and up to the
[length] (exclusive).\n * \n * @throws IndexOutOfBoundsException if [startIndex] is less than zero or greater
than the length of this string builder.\n * \n @SinceKotlin("1.4")\n
@WasExperimental(ExperimentalStdlibApi::class)\n actual fun substring(startIndex: Int): String {\n
AbstractList.checkPositionIndex(startIndex, length)\n    return string.substring(startIndex)\n }\n} /**\n * Returns a new [String] that contains characters in this string builder at [startIndex] (inclusive) and up to the
[endIndex] (exclusive).\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when
[startIndex] or [endIndex] is out of range of this string builder indices or when `startIndex > endIndex`.\n * \n
@SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n actual fun substring(startIndex:
Int, endIndex: Int): String {\n    AbstractList.checkBoundsIndexes(startIndex, endIndex, length)\n    return
string.substring(startIndex, endIndex)\n }\n} /**\n * Attempts to reduce storage used for this string builder.\n
*\n * If the backing storage of this string builder is larger than necessary to hold its current contents,\n * then
it may be resized to become more space efficient.\n * Calling this method may, but is not required to, affect the
value of the [capacity] property.\n * \n * In Kotlin/JS implementation of StringBuilder the size of the backing
storage is always equal to the length of the string builder.\n * \n @SinceKotlin("1.4")\n
@WasExperimental(ExperimentalStdlibApi::class)\n actual fun trimToSize() {\n }\n} override fun toString():
String = string\n} /**\n * Clears the content of this string builder making it empty and returns this instance.\n
*\n * @sample samples.text.Strings.clearStringBuilder\n * \n @SinceKotlin("1.3")\n public fun clear():
StringBuilder {\n    string = ""\n    return this\n }\n} /**\n * Sets the character at the specified [index]
to the specified [value].\n * \n * @throws IndexOutOfBoundsException if [index] is out of bounds of this string
builder.\n * \n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n public
operator fun set(index: Int, value: Char) {\n    AbstractList.checkElementIndex(index, length)\n    string =
string.substring(0, index) + value + string.substring(index + 1)\n }\n} /**\n * Replaces characters in the
specified range of this string builder with characters in the specified string [value] and returns this instance.\n
*\n * @param startIndex the beginning (inclusive) of the range to replace.\n * @param endIndex the end (exclusive)
of the range to replace.\n * @param value the string to replace with.\n * \n * @throws
IndexOutOfBoundsException or [IllegalArgumentException] if [startIndex] is less than zero, greater than the length
of this string builder, or `startIndex > endIndex`.\n * \n @SinceKotlin("1.4")\n
@WasExperimental(ExperimentalStdlibApi::class)\n public fun setRange(startIndex: Int, endIndex: Int, value:
String): StringBuilder {\n    checkReplaceRange(startIndex, endIndex, length)\n    this.string =
this.string.substring(0, startIndex) + value + this.string.substring(endIndex)\n    return this\n }\n} private fun
checkReplaceRange(startIndex: Int, endIndex: Int, length: Int) {\n    if (startIndex < 0 || startIndex > length) {\n
        throw IndexOutOfBoundsException("startIndex: $startIndex, length: $length")\n    }\n    if (startIndex >
endIndex) {\n        throw IllegalArgumentException("startIndex($startIndex) > endIndex($endIndex)")\n    }\n}
}\n} /**\n * Removes the character at the specified [index] from this string builder and returns this instance.\n
*\n * If the `Char` at the specified [index] is part of a supplementary code point, this method does not remove
the entire supplementary character.\n * \n * @param index the index of `Char` to remove.\n * \n * @throws
IndexOutOfBoundsException if [index] is out of bounds of this string builder.\n * \n @SinceKotlin("1.4")\n
@WasExperimental(ExperimentalStdlibApi::class)\n public fun deleteAt(index: Int): StringBuilder {\n
AbstractList.checkElementIndex(index, length)\n    string = string.substring(0, index) + string.substring(index +
1)\n    return this\n }\n} /**\n * Removes characters in the specified range from this string builder and
returns this instance.\n * \n * @param startIndex the beginning (inclusive) of the range to remove.\n * \n
@param endIndex the end (exclusive) of the range to remove.\n * \n * @throws IndexOutOfBoundsException

```

```

or [IllegalArgumentException] when [startIndex] is out of range of this string builder indices or when `startIndex >
endIndex`.
    * @SinceKotlin("1.4")
    * @WasExperimental(ExperimentalStdlibApi::class)
    public fun deleteRange(startIndex: Int, endIndex: Int): StringBuilder {
        checkReplaceRange(startIndex, endIndex, length)
        string = string.substring(0, startIndex) + string.substring(endIndex)
        return this
    }
    /**
     * Copies characters from this string builder into the [destination] character array.
     * @param destination the array to copy to.
     * @param destinationOffset the position in the array to copy to, 0 by default.
     * @param startIndex the beginning (inclusive) of the range to copy, 0 by default.
     * @param endIndex the end (exclusive) of the range to copy, length of this string builder by default.
     * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this
     string builder indices or when `startIndex > endIndex`.
     * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],
     * or when that index is out of the [destination] array indices range.
    */
    * @SinceKotlin("1.4")
    * @WasExperimental(ExperimentalStdlibApi::class)
    public fun toCharArray(destination: CharArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = this.length) {
        AbstractList.checkBoundsIndexes(startIndex, endIndex, length)
        AbstractList.checkBoundsIndexes(destinationOffset, destinationOffset + endIndex - startIndex, destination.size)
        var dstIndex = destinationOffset
        for (index in startIndex until endIndex) {
            destination[dstIndex++] = string[index]
        }
    }
    /**
     * Appends characters in a subarray of the specified character array [value] to this string builder and returns this instance.
     * Characters are appended in order, starting at specified [startIndex].
     * @param value the array from which characters are appended.
     * @param startIndex the beginning (inclusive) of the subarray to append.
     * @param endIndex the end (exclusive) of the subarray to append.
     * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of the [value] array indices or when `startIndex > endIndex`.
    */
    * @SinceKotlin("1.4")
    * @WasExperimental(ExperimentalStdlibApi::class)
    public fun appendRange(value: CharArray, startIndex: Int, endIndex: Int): StringBuilder {
        string += value.concatToString(startIndex, endIndex)
        return this
    }
    /**
     * Appends a subsequence of the specified character sequence [value] to this string builder and returns this instance.
     * @param value the character sequence from which a subsequence is appended.
     * @param startIndex the beginning (inclusive) of the subsequence to append.
     * @param endIndex the end (exclusive) of the subsequence to append.
     * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of the [value] character sequence indices or when `startIndex > endIndex`.
    */
    * @SinceKotlin("1.4")
    * @WasExperimental(ExperimentalStdlibApi::class)
    public fun appendRange(value: CharSequence, startIndex: Int, endIndex: Int): StringBuilder {
        val stringCsq = value.toString()
        AbstractList.checkBoundsIndexes(startIndex, endIndex, stringCsq.length)
        string += stringCsq.substring(startIndex, endIndex)
        return this
    }
    /**
     * Inserts characters in a subarray of the specified character array [value] into this string builder at the specified [index] and returns this instance.
     * The inserted characters go in same order as in the [value] array, starting at [index].
     * @param index the position in this string builder to insert at.
     * @param value the array from which characters are inserted.
     * @param startIndex the beginning (inclusive) of the subarray to insert.
     * @param endIndex the end (exclusive) of the subarray to insert.
     * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of the [value] array indices or when `startIndex > endIndex`.
     * @throws IndexOutOfBoundsException if [index] is less than zero or greater than the length of this string builder.
    */
    * @SinceKotlin("1.4")
    * @WasExperimental(ExperimentalStdlibApi::class)
    public fun insertRange(index: Int, value: CharArray, startIndex: Int, endIndex: Int): StringBuilder {
        AbstractList.checkPositionIndex(index, this.length)
        string = string.substring(0, index) + value.concatToString(startIndex, endIndex) + string.substring(index)
        return this
    }
    /**
     * Inserts characters in a subsequence of the specified character sequence [value] into this string builder at the specified [index] and returns this instance.
     * The inserted characters go in the same order as in the [value] character

```

sequence, starting at [index].

- \* @param index the position in this string builder to insert at.
- \* @param value the character sequence from which a subsequence is inserted.
- \* @param startIndex the beginning (inclusive) of the subsequence to insert.
- \* @param endIndex the end (exclusive) of the subsequence to insert.
- \* @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of the [value] character sequence indices or when `startIndex > endIndex`.
- \* @throws IndexOutOfBoundsException if [index] is less than zero or greater than the length of this string builder.

```

*\/n@SinceKotlin("1.4")n @WasExperimental(ExperimentalStdlibApi::class)n public fun insertRange(index: Int, value: CharSequence, startIndex: Int, endIndex: Int): StringBuilder {n    AbstractList.checkPositionIndex(index, length)n    val stringCsq = value.toString()n    AbstractList.checkBoundsIndexes(startIndex, endIndex, stringCsq.length)n    string = string.substring(0, index) + stringCsq.substring(startIndex, endIndex) + string.substring(index)n    return thisn }n}n/n/n/**n * Clears the content of this string builder making it empty and returns this instance.n *n * @sample samples.text.Strings.clearStringBuildern *\/n@SinceKotlin("1.3")n@Suppress("EXTENSION_SHADOWED_BY_MEMBER", "NOTHING_TO_INLINE")npublic actual inline fun StringBuilder.clear(): StringBuilder = this.clear()n/n/**n * Sets the character at the specified [index] to the specified [value].n *n * @throws IndexOutOfBoundsException if [index] is out of bounds of this string builder.n *\/n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)n@Suppress("EXTENSION_SHADOWED_BY_MEMBER", "NOTHING_TO_INLINE")npublic actual inline operator fun StringBuilder.set(index: Int, value: Char) = this.set(index, value)n/n/**n * Replaces characters in the specified range of this string builder with characters in the specified string [value] and returns this instance.n *n * @param startIndex the beginning (inclusive) of the range to replace.n * @param endIndex the end (exclusive) of the range to replace.n * @param value the string to replace with.n *n * @throws IndexOutOfBoundsException or [IllegalArgumentException] if [startIndex] is less than zero, greater than the length of this string builder, or `startIndex > endIndex`.n *\/n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)n@Suppress("EXTENSION_SHADOWED_BY_MEMBER", "NOTHING_TO_INLINE")npublic actual inline fun StringBuilder.setRange(startIndex: Int, endIndex: Int, value: String): StringBuilder =n    this.setRange(startIndex, endIndex, value)n/n/**n * Removes the character at the specified [index] from this string builder and returns this instance.n *n * If the `Char` at the specified [index] is part of a supplementary code point, this method does not remove the entire supplementary character.n *n * @param index the index of `Char` to remove.n *n * @throws IndexOutOfBoundsException if [index] is out of bounds of this string builder.n *\/n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)n@Suppress("EXTENSION_SHADOWED_BY_MEMBER", "NOTHING_TO_INLINE")npublic actual inline fun StringBuilder.deleteAt(index: Int): StringBuilder = this.deleteAt(index)n/n/**n * Removes characters in the specified range from this string builder and returns this instance.n *n * @param startIndex the beginning (inclusive) of the range to remove.n * @param endIndex the end (exclusive) of the range to remove.n *n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] is out of range of this string builder indices or when `startIndex > endIndex`.n *\/n@SinceKotlin("1.4")n@WasExperimental(ExperimentalStdlibApi::class)n@Suppress("EXTENSION_SHADOWED_BY_MEMBER", "NOTHING_TO_INLINE")npublic actual inline fun StringBuilder.deleteRange(startIndex: Int, endIndex: Int): StringBuilder = this.deleteRange(startIndex, endIndex)n/n/**n * Copies characters from this string builder into the [destination] character array.n *n * @param destination the array to copy to.n * @param destinationOffset the position in the array to copy to, 0 by default.n * @param startIndex the beginning (inclusive) of the range to copy, 0 by default.n * @param endIndex the end (exclusive) of the range to copy, length of this string builder by default.n *n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this string builder indices or when `startIndex > endIndex`.n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],n * or when that index is

```

out of the [destination] array indices range.\n

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@Suppress("EXTENSION_SHA  
DOWED_BY_MEMBER", "NOTHING_TO_INLINE",  
"ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual inline fun  
StringBuilder.toCharArray(destination: CharArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int =  
this.length) =\n    this.toCharArray(destination, destinationOffset, startIndex, endIndex)\n\n/**\n * Appends  
characters in a subarray of the specified character array [value] to this string builder and returns this instance.\n *\n * Characters are appended in order, starting at specified [startIndex].\n *\n * @param value the array from which  
characters are appended.\n *\n * @param startIndex the beginning (inclusive) of the subarray to append.\n *\n * @param  
endIndex the end (exclusive) of the subarray to append.\n *\n * @throws IndexOutOfBoundsException or  
[IllegalArgumentException] when [startIndex] or [endIndex] is out of range of the [value] array indices or when  
`startIndex > endIndex`.\n
```

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@Suppress("EXTENSION_SHA  
DOWED_BY_MEMBER", "NOTHING_TO_INLINE")\npublic actual inline fun  
StringBuilder.appendRange(value: CharArray, startIndex: Int, endIndex: Int): StringBuilder =\n    this.appendRange(value, startIndex, endIndex)\n\n/**\n * Appends a subsequence of the specified character  
sequence [value] to this string builder and returns this instance.\n *\n * @param value the character sequence from  
which a subsequence is appended.\n *\n * @param startIndex the beginning (inclusive) of the subsequence to append.\n *\n * @param  
endIndex the end (exclusive) of the subsequence to append.\n *\n * @throws  
IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of the  
[value] character sequence indices or when `startIndex > endIndex`.\n
```

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@Suppress("EXTENSION_SHA  
DOWED_BY_MEMBER", "NOTHING_TO_INLINE")\npublic actual inline fun  
StringBuilder.appendRange(value: CharSequence, startIndex: Int, endIndex: Int): StringBuilder =\n    this.appendRange(value, startIndex, endIndex)\n\n/**\n * Inserts characters in a subarray of the specified character  
array [value] into this string builder at the specified [index] and returns this instance.\n *\n * The inserted characters  
go in same order as in the [value] array, starting at [index].\n *\n * @param index the position in this string builder  
to insert at.\n *\n * @param value the array from which characters are inserted.\n *\n * @param startIndex the beginning  
(inclusive) of the subarray to insert.\n *\n * @param endIndex the end (exclusive) of the subarray to insert.\n *\n * @throws  
IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of  
range of the [value] array indices or when `startIndex > endIndex`.\n *\n * @throws IndexOutOfBoundsException if  
[index] is less than zero or greater than the length of this string builder.\n
```

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@Suppress("EXTENSION_SHA  
DOWED_BY_MEMBER", "NOTHING_TO_INLINE")\npublic actual inline fun  
StringBuilder.insertRange(index: Int, value: CharArray, startIndex: Int, endIndex: Int): StringBuilder =\n    this.insertRange(index, value, startIndex, endIndex)\n\n/**\n * Inserts characters in a subsequence of the specified  
character sequence [value] into this string builder at the specified [index] and returns this instance.\n *\n * The  
inserted characters go in the same order as in the [value] character sequence, starting at [index].\n *\n * @param  
index the position in this string builder to insert at.\n *\n * @param value the character sequence from which a  
subsequence is inserted.\n *\n * @param startIndex the beginning (inclusive) of the subsequence to insert.\n *\n * @param  
endIndex the end (exclusive) of the subsequence to insert.\n *\n * @throws IndexOutOfBoundsException or  
[IllegalArgumentException] when [startIndex] or [endIndex] is out of range of the [value] character sequence  
indices or when `startIndex > endIndex`.\n *\n * @throws IndexOutOfBoundsException if [index] is less than zero or  
greater than the length of this string builder.\n
```

```
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@Suppress("EXTENSION_SHA  
DOWED_BY_MEMBER", "NOTHING_TO_INLINE")\npublic actual inline fun  
StringBuilder.insertRange(index: Int, value: CharSequence, startIndex: Int, endIndex: Int): StringBuilder =\n    this.insertRange(index, value, startIndex, endIndex)\n\n/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
```

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```

package kotlin.text

/** Returns `true` if the content of this string is equal to the word `true`, ignoring case, and `false` otherwise.
 * @Deprecated("Use Kotlin compiler 1.4 to avoid deprecation warning.")
 * @DeprecatedSinceKotlin(hiddenSince = "1.4")
 * @kotlin.internal.InlineOnly
 * public actual inline fun String.toBoolean(): Boolean =
 *     this.toBoolean()
 * Returns `true` if this string is not `null` and its content is equal to the word `true`, ignoring case, and `false` otherwise.
 * There are also strict versions of the function available on non-nullable String, [toBooleanStrict] and [toBooleanStrictOrNull].
 * @SinceKotlin("1.4")
 * public actual fun String?.toBoolean(): Boolean = this != null && this.lowercase() == "true"
 * Parses the string as a signed [Byte] number and returns the result.
 * @throws NumberFormatException if the string is not a valid representation of a number.
 * public actual fun String.toByteArray(): Byte = toByteOrNull() ?:
 *     numberFormatError(this)
 * Parses the string as a signed [Byte] number and returns the result.
 * @throws NumberFormatException if the string is not a valid representation of a number.
 * @throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.
 * public actual fun String.toByteArray(radix: Int): Byte = toByteOrNull(radix) ?: numberFormatError(this)
 * Parses the string as a [Short] number and returns the result.
 * @throws NumberFormatException if the string is not a valid representation of a number.
 * public actual fun String.toShort(): Short = toShortOrNull() ?:
 *     numberFormatError(this)
 * Parses the string as a [Short] number and returns the result.
 * @throws NumberFormatException if the string is not a valid representation of a number.
 * @throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.
 * public actual fun String.toShort(radix: Int): Short = toShortOrNull(radix) ?: numberFormatError(this)
 * Parses the string as an [Int] number and returns the result.
 * @throws NumberFormatException if the string is not a valid representation of a number.
 * public actual fun String.toInt(): Int = toIntOrNull() ?:
 *     numberFormatError(this)
 * Parses the string as an [Int] number and returns the result.
 * @throws NumberFormatException if the string is not a valid representation of a number.
 * @throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.
 * public actual fun String.toInt(radix: Int): Int = toIntOrNull(radix) ?: numberFormatError(this)
 * Parses the string as a [Long] number and returns the result.
 * @throws NumberFormatException if the string is not a valid representation of a number.
 * public actual fun String.toLong(): Long = toLongOrNull() ?: numberFormatError(this)
 * Parses the string as a [Long] number and returns the result.
 * @throws NumberFormatException if the string is not a valid representation of a number.
 * @throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.
 * public actual fun String.toLong(radix: Int): Long = toLongOrNull(radix) ?:
 *     numberFormatError(this)
 * Parses the string as a [Double] number and returns the result.
 * @throws NumberFormatException if the string is not a valid representation of a number.
 * public actual fun String.toDouble(): Double = +(this.asDynamic()).unsafeCast<Double>().also {
 *     if (it.isNaN() && !this.isNaN() || it == 0.0 && this.isBlank())
 *         numberFormatError(this)
 * Parses the string as a [Float] number and returns the result.
 * @throws NumberFormatException if the string is not a valid representation of a number.
 * @kotlin.internal.InlineOnly
 * public actual inline fun String.toFloat(): Float =
 *     toDouble().unsafeCast<Float>()
 * Parses the string as a [Double] number and returns the result
 * or `null` if the string is not a valid representation of a number.
 * public actual fun String.toDoubleOrNull(): Double? =
 *     +(this.asDynamic()).unsafeCast<Double>().takeIf {
 *         !(it.isNaN() && !this.isNaN() || it == 0.0 && this.isBlank())
 *     }
 * Parses the string as a [Float] number and returns the result
 * or `null` if the string is not a valid representation of a number.
 * @kotlin.internal.InlineOnly
 * public actual inline fun String.toFloatOrNull(): Float? = toDoubleOrNull().unsafeCast<Float?>()
 * Returns a string representation of this [Byte] value in the specified [radix].
 * @throws IllegalArgumentException when [radix] is not a valid radix for number to string conversion.
 * @SinceKotlin("1.2")
 * @kotlin.internal.InlineOnly
 * public actual inline fun Byte.toString(radix: Int): String = this.toInt().toString(radix)
 * Returns a string representation of this [Short] value in the specified [radix].
 * @throws IllegalArgumentException when [radix] is not a valid

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radix for number to string conversion.\n */\n@SinceKotlin("1.2")\n@kotlin.internal.InlineOnly\npublic actual
inline fun Short.toString(radix: Int): String = this.toInt().toString(radix)\n\n/**\n * Returns a string representation of
this [Int] value in the specified [radix].\n */\n * @throws IllegalArgumentException when [radix] is not a valid radix
for number to string conversion.\n */\n@SinceKotlin("1.2")\npublic actual fun Int.toString(radix: Int): String =
asDynamic().toString(checkRadix(radix))\n\nprivate fun String.isNaN(): Boolean = when (this.lowercase()) {\n
"nan", "+nan", "-nan" -> true\n else -> false\n}\n\n/**\n * Checks whether the given [radix] is valid radix for
string to number and number to string conversion.\n */\n@PublishedApi\ninternal actual fun checkRadix(radix: Int):
Int {\n if (radix !in 2..36) {\n throw IllegalArgumentException("radix $radix was not in valid range 2..36")\n
}\n return radix\n}\n\ninternal actual fun digitOf(char: Char, radix: Int): Int = when {\n char >= '0' && char <=
'9' -> char - '0'\n char >= 'A' && char <= 'Z' -> char - 'A' + 10\n char >= 'a' && char <= 'z' -> char - 'a' + 10\n
char < '\u0080' -> -1\n char >= '\uFF21' && char <= '\uFF3A' -> char - '\uFF21' + 10 // full-width latin capital
letter\n char >= '\uFF41' && char <= '\uFF5A' -> char - '\uFF41' + 10 // full-width latin small letter\n else ->
char.digitToIntImpl()\n}.let { if (it >= radix) -1 else it }\n\n", "*/\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage kotlin.text\nimport kotlin.js.RegExp\n\n/**\n * Provides
enumeration values to use to set regular expression options.\n */\npublic actual enum class RegexOptions(val value:
String) {\n /** Enables case-insensitive matching. */\n IGNORE_CASE("\\i"),\n /** Enables multiline
mode.\n */\n * In multiline mode the expressions `^` and `$` match just after or just before,\n * respectively, a
line terminator or the end of the input sequence. */\n MULTILINE("\\m")\n}\n\nprivate fun
Iterable<RegexOption>.toFlags(prepend: String): String = joinToString("\\", prefix = prepend) { it.value
}\n\n/**\n * Represents the results from a single capturing group within a [MatchResult] of [Regex].\n */\n *
@param value The value of captured group.\n */\npublic actual data class MatchGroup(actual val value:
String)\n\n/**\n * Represents a compiled regular expression.\n * Provides functions to match strings in text with a
pattern, replace the found occurrences and split text around matches.\n */\n * For pattern syntax reference see [MDN
RegExp](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/RegExp#Special_characters_meaning_in_regular_expressions)\n
*/\n * and
[http://www.w3schools.com/jsref/jsref_obj_regexp.asp](https://www.w3schools.com/jsref/jsref_obj_regexp.asp).\n\n
*/\n * Note that `RegExp` objects under the hood are constructed with [the `u`
flag](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/RegExp/unicode)\n * that
enables Unicode-related features in regular expressions. This also makes the pattern syntax more strict,\n * for
example, prohibiting unnecessary escape sequences.\n */\n * @constructor Creates a regular expression from the
specified [pattern] string and the specified set of [options].\n */\npublic actual class Regex actual
constructor(pattern: String, options: Set<RegexOption>) {\n\n /** Creates a regular expression from the specified
[pattern] string and the specified single [option]. */\n public actual constructor(pattern: String, option:
RegexOption) : this(pattern, setOf(option))\n\n /** Creates a regular expression from the specified [pattern] string
and the default options. */\n public actual constructor(pattern: String) : this(pattern, emptySet())\n\n\n /** The
pattern string of this regular expression. */\n public actual val pattern: String = pattern\n\n /** The set of options
that were used to create this regular expression. */\n public actual val options: Set<RegexOption> =
options.toSet()\n\n private val nativePattern: RegExp = RegExp(pattern, options.toFlags("gu"))\n private var
nativeStickyPattern: RegExp? = null\n private fun initStickyPattern(): RegExp =\n nativeStickyPattern ?:
RegExp(pattern, options.toFlags("yu")).also { nativeStickyPattern = it }\n\n private var
nativeMatchesEntirePattern: RegExp? = null\n private fun initMatchesEntirePattern(): RegExp =\n
nativeMatchesEntirePattern ?: run {\n if (pattern.startsWith('^') && pattern.endsWith('$'))\n
nativePattern\n else\n return RegExp("^${pattern.trimStart('^').trimEnd('$')}$",
options.toFlags("gu"))\n }.also { nativeMatchesEntirePattern = it }\n\n\n /** Indicates whether the regular
expression matches the entire [input]. */\n public actual infix fun matches(input: CharSequence): Boolean {\n
nativePattern.reset()\n val match = nativePattern.exec(input.toString())\n return match != null &&

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match.index == 0 && nativePattern.lastIndex == input.length\n } \n\n /** Indicates whether the regular
expression can find at least one match in the specified [input]. */\n public actual fun containsMatchIn(input:
CharSequence): Boolean {\n     nativePattern.reset()\n     return nativePattern.test(input.toString())\n }\n\n
@SinceKotlin("1.5")\n @ExperimentalStdlibApi\n public actual fun matchesAt(input: CharSequence, index:
Int): Boolean {\n     if (index < 0 || index > input.length) {\n         throw IndexOutOfBoundsException("index
out of bounds: $index, input length: ${input.length}")\n     }\n     val pattern = initStickyPattern()\n
pattern.lastIndex = index\n     return pattern.test(input.toString())\n }\n\n /**\n * Returns the first match of a
regular expression in the [input], beginning at the specified [startIndex].\n * \n * @param startIndex An index to
start search with, by default 0. Must be not less than zero and not greater than `input.length()`\n * @return An
instance of [MatchResult] if match was found or `null` otherwise.\n * @throws IndexOutOfBoundsException if
[startIndex] is less than zero or greater than the length of the [input] char sequence.\n * @sample
samples.text.Regexps.find\n */\n\n
@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n public actual fun find(input:
CharSequence, startIndex: Int = 0): MatchResult? {\n     if (startIndex < 0 || startIndex > input.length) {\n
throw IndexOutOfBoundsException("Start index out of bounds: $startIndex, input length: ${input.length}")\n
}\n     return nativePattern.findNext(input.toString(), startIndex, nativePattern)\n }\n\n /**\n * Returns a
sequence of all occurrences of a regular expression within the [input] string, beginning at the specified
[startIndex].\n * \n * @throws IndexOutOfBoundsException if [startIndex] is less than zero or greater than the
length of the [input] char sequence.\n * \n * @sample samples.text.Regexps.findAll\n */\n\n
@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n public actual fun findAll(input:
CharSequence, startIndex: Int = 0): Sequence<MatchResult> {\n     if (startIndex < 0 || startIndex > input.length)
{\n         throw IndexOutOfBoundsException("Start index out of bounds: $startIndex, input length:
${input.length}")\n     }\n     return generateSequence({ find(input, startIndex) }, { match -> match.next() })\n
}\n\n /**\n * Attempts to match the entire [input] CharSequence against the pattern.\n * \n * @return An
instance of [MatchResult] if the entire input matches or `null` otherwise.\n */\n public actual fun
matchEntire(input: CharSequence): MatchResult? =\n     initMatchesEntirePattern().findNext(input.toString(), 0,
nativePattern)\n\n @SinceKotlin("1.5")\n @ExperimentalStdlibApi\n public actual fun matchAt(input:
CharSequence, index: Int): MatchResult? {\n     if (index < 0 || index > input.length) {\n         throw
IndexOutOfBoundsException("index out of bounds: $index, input length: ${input.length}")\n     }\n     return
initStickyPattern().findNext(input.toString(), index, nativePattern)\n }\n\n\n /**\n * Replaces all occurrences
of this regular expression in the specified [input] string with specified [replacement] expression.\n * \n * The
replacement string may contain references to the captured groups during a match. Occurrences of `$index` \n * in
the replacement string will be substituted with the subsequences corresponding to the captured groups with the
specified index.\n * \n * The first digit after '$' is always treated as part of group reference. Subsequent digits
are incorporated \n * into `index` only if they would form a valid group reference. Only the digits '0'..'9' are considered
as potential components \n * of the group reference. Note that indexes of captured groups start from 1, and the
group with index 0 is the whole match.\n * \n * Backslash character '\\' can be used to include the succeeding
character as a literal in the replacement string, e.g, `\\$` or `\\\\`. \n * [Regex.escapeReplacement] can be used if
[replacement] have to be treated as a literal string.\n * \n * Note that referring named capturing groups by name
is currently not supported in Kotlin/JS.\n * \n * However, you can still refer them by index.\n * \n * @param input
the char sequence to find matches of this regular expression in \n * @param replacement the expression to replace
found matches with \n * @return the result of replacing each occurrence of this regular expression in [input] with
the result of evaluating the [replacement] expression \n * @throws RuntimeException if [replacement] expression
is malformed, or capturing group with specified `name` or `index` does not exist \n */\n public actual fun
replace(input: CharSequence, replacement: String): String {\n     if (!replacement.contains("\\\\") &&
!replacement.contains('$')) {\n         return input.toString().nativeReplace(nativePattern, replacement)\n     }\n
return replace(input) { substituteGroupRefs(it, replacement) }\n }\n\n /**\n * Replaces all occurrences of this
regular expression in the specified [input] string with the result of \n * the given function [transform] that takes

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[MatchResult] and returns a string to be used as a replacement for that match.
public actual fun
replace(input: CharSequence, transform: (MatchResult) -> CharSequence): String {
    var match = find(input)
    if (match == null) return input.toString()
    var lastStart = 0
    val length = input.length
    val sb =
    StringBuilder(length)
    do {
        val foundMatch = match!!
        sb.append(input, lastStart,
        foundMatch.range.start)
        sb.append(transform(foundMatch))
        lastStart =
        foundMatch.range.endInclusive + 1
        match = foundMatch.next()
    } while (lastStart < length && match
    != null)
    if (lastStart < length) {
        sb.append(input, lastStart, length)
    }
    return
    sb.toString()
}
/**
 * Replaces the first occurrence of this regular expression in the specified [input]
string with specified [replacement] expression.
 * The replacement string may contain references to the
captured groups during a match. Occurrences of `\$index`
 * in the replacement string will be substituted with the
subsequences corresponding to the captured groups with the specified index.
 * The first digit after '$' is always
treated as part of group reference. Subsequent digits are incorporated
 * into `index` only if they would form a
valid group reference. Only the digits '0'..'9' are considered as potential components
 * of the group reference.
Note that indexes of captured groups start from 1, and the group with index 0 is the whole match.
 *
 * Backslash character '\\' can be used to include the succeeding character as a literal in the replacement string, e.g, `\\$`
or `\\|`.
 * [Regex.escapeReplacement] can be used if [replacement] have to be treated as a literal string.
 *
 * Note that referring named capturing groups by name is not supported currently in Kotlin/JS.
 * However, you
can still refer them by index.
 * @param input the char sequence to find a match of this regular expression
in
 * @param replacement the expression to replace the found match with
 * @return the result of replacing
the first occurrence of this regular expression in [input] with the result of evaluating the [replacement] expression
 * @throws RuntimeException if [replacement] expression is malformed, or capturing group with specified `name`
or `index` does not exist
 */
public actual fun replaceFirst(input: CharSequence, replacement: String): String {
    if (!replacement.contains("\\|") && !replacement.contains('$')) {
        val nonGlobalOptions =
options.toFlags("u")
        return input.toString().nativeReplace(RegExp(pattern, nonGlobalOptions),
replacement)
    }
    val match = find(input) ?: return input.toString()
    return buildString {
        append(input.substring(0, match.range.first))
        append(substituteGroupRefs(match, replacement))
        append(input.substring(match.range.last + 1, input.length))
    }
}
/**
 * Splits the [input]
CharSequence to a list of strings around matches of this regular expression.
 *
 * @param limit Non-negative
value specifying the maximum number of substrings the string can be split to.
 * Zero by default means no limit
is set.
 * @Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")
public actual fun
split(input: CharSequence, limit: Int = 0): List<String> {
    requireNonNegativeLimit(limit)
    val matches =
findAll(input).let { if (limit == 0) it else it.take(limit - 1) }
    val result = mutableListOf<String>()
    var
lastStart = 0
    for (match in matches) {
        result.add(input.subSequence(lastStart,
match.range.start).toString())
        lastStart = match.range.endInclusive + 1
    }
    result.add(input.subSequence(lastStart, input.length).toString())
    return result
}
/**
 * Splits the
[input] CharSequence to a sequence of strings around matches of this regular expression.
 *
 * @param limit
Non-negative value specifying the maximum number of substrings the string can be split to.
 * Zero by default
means no limit is set.
 * @sample samples.text.Regexps.splitToSequence
 * @SinceKotlin("1.6")
 * @WasExperimental(ExperimentalStdlibApi::class)
 * @Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")
public actual fun
splitToSequence(input: CharSequence, limit: Int = 0): Sequence<String> {
    requireNonNegativeLimit(limit)
    return sequence {
        var match = find(input)
        if (match ==
null || limit == 1) {
            yield(input.toString())
            return@sequence
        }
        var
nextStart = 0
        var splitCount = 0
        do {
            val foundMatch = match!!
            yield(input.substring(nextStart, foundMatch.range.first))
            nextStart = foundMatch.range.endInclusive +
1
            match = foundMatch.next()
        } while (++splitCount != limit - 1 && match != null)
        yield(input.substring(nextStart, input.length))
    }
}
/**
 * Returns the string representation of
this regular expression, namely the [pattern] of this regular expression.
 *
 * Note that another regular

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}
}
return index
}"/
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license/LICENSE.txt file.

@file:kotlin.jvm.JvmMultifileClass
@file:kotlin.jvm.JvmName("StringsKt")
@file:Suppress("EXTENSION_SHADOWED_BY_MEMBER")
package kotlin.text
import kotlin.contracts.*

 * A mutable
sequence of characters.
 * String builder can be used to efficiently perform multiple string manipulation
operations.
 * Next class StringBuilder : Appendable, CharSequence {
 /** Constructs an empty string
builder.
 constructor()
 /** Constructs an empty string builder with the specified initial [capacity].
 constructor(capacity: Int)
 /** Constructs a string builder that contains the same characters as the specified
[content] char sequence.
 constructor(content: CharSequence)
 /** Constructs a string builder that
contains the same characters as the specified [content] string.
 @SinceKotlin("1.3")
 @ExperimentalStdlibApi
 constructor(content: String)
 override val length: Int
 override operator fun
get(index: Int): Char
 override fun subSequence(startIndex: Int, endIndex: Int): CharSequence
 override
fun append(value: Char): StringBuilder
 override fun append(value: CharSequence?): StringBuilder
 override
fun append(value: CharSequence?, startIndex: Int, endIndex: Int): StringBuilder
 /**
 * Reverses the
contents of this string builder and returns this instance.
 * Surrogate pairs included in this string builder
are treated as single characters.
 * Therefore, the order of the high-low surrogates is never reversed.
 * Note that the reverse operation may produce new surrogate pairs that were unpaired low-surrogates and high-
surrogates before the operation.
 * For example, reversing "\uDC00\uD800" produces "\uD800\uDC00"
which is a valid surrogate pair.
 fun reverse(): StringBuilder
 /**
 * Appends the string
representation of the specified object [value] to this string builder and returns this instance.
 * The overall
effect is exactly as if the [value] were converted to a string by the `value.toString()` method,
 * and then that
string was appended to this string builder.
 fun append(value: Any?): StringBuilder
 /**
 * Appends the string representation of the specified boolean [value] to this string builder and returns this instance.
 * The overall effect is exactly as if the [value] were converted to a string by the `value.toString()` method,
 * and then that string was appended to this string builder.
 @SinceKotlin("1.3")
 fun append(value:
Boolean): StringBuilder
 /**
 * Appends characters in the specified character array [value] to this string
builder and returns this instance.
 * Characters are appended in order, starting at the index 0.
 @SinceKotlin("1.4")
 @WasExperimental(ExperimentalStdlibApi::class)
 fun append(value: CharArray):
StringBuilder
 /**
 * Appends the specified string [value] to this string builder and returns this instance.
 * If [value] is `null`, then the four characters `null` are appended.
 @SinceKotlin("1.3")
 fun
append(value: String?): StringBuilder
 /**
 * Returns the current capacity of this string builder.
 * The capacity is the maximum length this string builder can have before an allocation occurs.
 @SinceKotlin("1.3")
 @ExperimentalStdlibApi
 @Deprecated("Obtaining StringBuilder capacity is not
supported in JS and common code.", level = DeprecationLevel.ERROR)
 fun capacity(): Int
 /**
 * Ensures that the capacity of this string builder is at least equal to the specified [minimumCapacity].
 * If
the current capacity is less than the [minimumCapacity], a new backing storage is allocated with greater capacity.
 * Otherwise, this method takes no action and simply returns.
 @SinceKotlin("1.4")
 @WasExperimental(ExperimentalStdlibApi::class)
 fun ensureCapacity(minimumCapacity: Int)
 /**
 * Returns the index within this string builder of the first occurrence of the specified [string].
 * Returns -1
if the specified [string] does not occur in this string builder.
 @SinceKotlin("1.4")
 @WasExperimental(ExperimentalStdlibApi::class)
 fun indexOf(string: String): Int
 /**
 * Returns the
index within this string builder of the first occurrence of the specified [string],
 * starting at the specified
[startIndex].
 * Returns -1 if the specified [string] does not occur in this string builder starting at the
specified [startIndex].
 @SinceKotlin("1.4")
 @WasExperimental(ExperimentalStdlibApi::class)
 fun indexOf(string: String, startIndex: Int): Int
 /**
 * Returns the index within this string builder of the last
occurrence of the specified [string].
 * The last occurrence of empty string "" is considered to be at the index
equal to `this.length`.
 * Returns -1 if the specified [string] does not occur in this string builder.
 */

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@SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n fun lastIndexOf(string: String):
Int\n\n /**\n * Returns the index within this string builder of the last occurrence of the specified [string],\n *
starting from the specified [startIndex] toward the beginning.\n * \n * Returns -1 if the specified [string] does
not occur in this string builder starting at the specified [startIndex].\n * \n @SinceKotlin("1.4")\n
@WasExperimental(ExperimentalStdlibApi::class)\n fun lastIndexOf(string: String, startIndex: Int): Int\n\n
/**\n * Inserts the string representation of the specified boolean [value] into this string builder at the specified
[index] and returns this instance.\n * \n * The overall effect is exactly as if the [value] were converted to a string
by the `value.toString()` method,\n * and then that string was inserted into this string builder at the specified
[index].\n * \n * @throws IndexOutOfBoundsException if [index] is less than zero or greater than the length of
this string builder.\n * \n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n fun
insert(index: Int, value: Boolean): StringBuilder\n\n /**\n * Inserts the specified character [value] into this
string builder at the specified [index] and returns this instance.\n * \n * @throws IndexOutOfBoundsException
if [index] is less than zero or greater than the length of this string builder.\n * \n @SinceKotlin("1.4")\n
@WasExperimental(ExperimentalStdlibApi::class)\n fun insert(index: Int, value: Char): StringBuilder\n\n /**\n
* Inserts characters in the specified character array [value] into this string builder at the specified [index] and
returns this instance.\n * \n * The inserted characters go in same order as in the [value] character array, starting
at [index].\n * \n * @throws IndexOutOfBoundsException if [index] is less than zero or greater than the length
of this string builder.\n * \n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n
fun insert(index: Int, value: CharArray): StringBuilder\n\n /**\n * Inserts characters in the specified character
sequence [value] into this string builder at the specified [index] and returns this instance.\n * \n * The inserted
characters go in the same order as in the [value] character sequence, starting at [index].\n * \n * @param index
the position in this string builder to insert at.\n * @param value the character sequence from which characters are
inserted. If [value] is `null`, then the four characters `"\u0000\u0000\u0000\u0000"` are inserted.\n * \n * @throws
IndexOutOfBoundsException if [index] is less than zero or greater than the length of this string builder.\n * \n
@SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n fun insert(index: Int, value:
CharSequence?): StringBuilder\n\n /**\n * Inserts the string representation of the specified object [value] into
this string builder at the specified [index] and returns this instance.\n * \n * The overall effect is exactly as if
the [value] were converted to a string by the `value.toString()` method,\n * and then that string was inserted into
this string builder at the specified [index].\n * \n * @throws IndexOutOfBoundsException if [index] is less than
zero or greater than the length of this string builder.\n * \n @SinceKotlin("1.4")\n
@WasExperimental(ExperimentalStdlibApi::class)\n fun insert(index: Int, value: Any?): StringBuilder\n\n /**\n
* Inserts the string [value] into this string builder at the specified [index] and returns this instance.\n * \n * If
[value] is `null`, then the four characters `"\u0000\u0000\u0000\u0000"` are inserted.\n * \n * @throws
IndexOutOfBoundsException if [index] is less than zero or greater than the length of this string builder.\n * \n
@SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n fun insert(index: Int, value: String?):
StringBuilder\n\n /**\n * Sets the length of this string builder to the specified [newLength].\n * \n * If the
[newLength] is less than the current length, it is changed to the specified [newLength].\n * \n * Otherwise, null
characters `'\u0000'` are appended to this string builder until its length is less than the [newLength].\n * \n *
Note that in Kotlin/JS [set] operator function has non-constant execution time complexity.\n * \n * Therefore,
increasing length of this string builder and then updating each character by index may slow down your program.\n *
\n * @throws IndexOutOfBoundsException or [IllegalArgumentException] if [newLength] is less than zero.\n * \n
@SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n fun setLength(newLength:
Int)\n\n /**\n * Returns a new [String] that contains characters in this string builder at [startIndex] (inclusive)
and up to the [length] (exclusive).\n * \n * @throws IndexOutOfBoundsException if [startIndex] is less than
zero or greater than the length of this string builder.\n * \n @SinceKotlin("1.4")\n
@WasExperimental(ExperimentalStdlibApi::class)\n fun substring(startIndex: Int): String\n\n /**\n * Returns
a new [String] that contains characters in this string builder at [startIndex] (inclusive) and up to the [endIndex]
(exclusive).\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex]

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or [endIndex] is out of range of this string builder indices or when `startIndex > endIndex`.\n \*^n

@SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n fun substring(startIndex: Int, endIndex: Int): String\n\n /\*\n \* Attempts to reduce storage used for this string builder.\n \* If the backing storage of this string builder is larger than necessary to hold its current contents,\n \* then it may be resized to become more space efficient.\n \* Calling this method may, but is not required to, affect the value of the [capacity] property.\n \*^n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n fun trimToSize()\n\n /\*\n \* Clears the content of this string builder making it empty and returns this instance.\n \*^n \* @sample samples.text.Strings.clearStringBuilder\n \*^n @SinceKotlin("1.3")\n public expect fun StringBuilder.clear(): StringBuilder\n\n /\*\n \* Sets the character at the specified [index] to the specified [value].\n \*^n \* @throws IndexOutOfBoundsException if [index] is out of bounds of this string builder.\n \*^n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n public expect operator fun StringBuilder.set(index: Int, value: Char)\n\n /\*\n \* Replaces characters in the specified range of this string builder with characters in the specified string [value] and returns this instance.\n \* @param startIndex the beginning (inclusive) of the range to replace.\n \* @param endIndex the end (exclusive) of the range to replace.\n \* @param value the string to replace with.\n \* @throws IndexOutOfBoundsException or [IllegalArgumentException] if [startIndex] is less than zero, greater than the length of this string builder, or `startIndex > endIndex`.\n \*^n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n public expect fun StringBuilder.setRange(startIndex: Int, endIndex: Int, value: String): StringBuilder\n\n /\*\n \* Removes the character at the specified [index] from this string builder and returns this instance.\n \* If the `Char` at the specified [index] is part of a supplementary code point, this method does not remove the entire supplementary character.\n \* @param index the index of `Char` to remove.\n \* @throws IndexOutOfBoundsException if [index] is out of bounds of this string builder.\n \*^n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n public expect fun StringBuilder.deleteAt(index: Int): StringBuilder\n\n /\*\n \* Removes characters in the specified range from this string builder and returns this instance.\n \* @param startIndex the beginning (inclusive) of the range to remove.\n \* @param endIndex the end (exclusive) of the range to remove.\n \* @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] is out of range of this string builder indices or when `startIndex > endIndex`.\n \*^n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n public expect fun StringBuilder.deleteRange(startIndex: Int, endIndex: Int): StringBuilder\n\n /\*\n \* Copies characters from this string builder into the [destination] character array.\n \* @param destination the array to copy to.\n \* @param destinationOffset the position in the array to copy to, 0 by default.\n \* @param startIndex the beginning (inclusive) of the range to copy, 0 by default.\n \* @param endIndex the end (exclusive) of the range to copy, length of this string builder by default.\n \* @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this string builder indices or when `startIndex > endIndex`.\n \* @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n \* or when that index is out of the [destination] array indices range.\n \*^n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n public expect fun StringBuilder.toCharArray(destination: CharArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = this.length)\n\n /\*\n \* Appends characters in a subarray of the specified character array [value] to this string builder and returns this instance.\n \* Characters are appended in order, starting at specified [startIndex].\n \* @param value the array from which characters are appended.\n \* @param startIndex the beginning (inclusive) of the subarray to append.\n \* @param endIndex the end (exclusive) of the subarray to append.\n \* @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of the [value] array indices or when `startIndex > endIndex`.\n \*^n @SinceKotlin("1.4")\n @WasExperimental(ExperimentalStdlibApi::class)\n public expect fun StringBuilder.appendRange(value: CharArray, startIndex: Int, endIndex: Int): StringBuilder\n\n /\*\n \* Appends a subsequence of the specified character sequence [value] to this string builder and returns this instance.\n \*^n \*

```

@param value the character sequence from which a subsequence is appended.\n * @param startIndex the beginning
(inclusive) of the subsequence to append.\n * @param endIndex the end (exclusive) of the subsequence to append.\n
*\n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out
of range of the [value] character sequence indices or when `startIndex > endIndex`.\n
*/\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic expect fun
StringBuilder.appendRange(value: CharSequence, startIndex: Int, endIndex: Int): StringBuilder\n\n/**\n * Inserts
characters in a subarray of the specified character array [value] into this string builder at the specified [index] and
returns this instance.\n * \n * The inserted characters go in same order as in the [value] array, starting at [index].\n
*\n * @param index the position in this string builder to insert at.\n * @param value the array from which characters
are inserted.\n * @param startIndex the beginning (inclusive) of the subarray to insert.\n * @param endIndex the
end (exclusive) of the subarray to insert.\n * \n * @throws IndexOutOfBoundsException or
[IllegalArgumentException] when [startIndex] or [endIndex] is out of range of the [value] array indices or when
`startIndex > endIndex`.\n * @throws IndexOutOfBoundsException if [index] is less than zero or greater than the
length of this string builder.\n
*/\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic expect fun
StringBuilder.insertRange(index: Int, value: CharArray, startIndex: Int, endIndex: Int): StringBuilder\n\n/**\n *
Inserts characters in a subsequence of the specified character sequence [value] into this string builder at the specified
[index] and returns this instance.\n * \n * The inserted characters go in the same order as in the [value] character
sequence, starting at [index].\n * \n * @param index the position in this string builder to insert at.\n * @param value
the character sequence from which a subsequence is inserted.\n * @param startIndex the beginning (inclusive) of the
subsequence to insert.\n * @param endIndex the end (exclusive) of the subsequence to insert.\n * \n * @throws
IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of the
[value] character sequence indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException if
[index] is less than zero or greater than the length of this string builder.\n
*/\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic expect fun
StringBuilder.insertRange(index: Int, value: CharSequence, startIndex: Int, endIndex: Int):
StringBuilder\n\n@Suppress("EXTENSION_SHADOWED_BY_MEMBER")\n@Deprecated("Use
append(value: Any?) instead", ReplaceWith("append(value = obj)"),
DeprecationLevel.WARNING)\n@kotlin.internal.InlineOnly\npublic inline fun StringBuilder.append(obj: Any?):
StringBuilder = this.append(obj)\n\n/**\n * Builds new string by populating newly created [StringBuilder] using
provided [builderAction]\n * and then converting it to [String].\n */\n@kotlin.internal.InlineOnly\npublic inline fun
buildString(builderAction: String Builder.() -> Unit): String {\n    contract { callsInPlace(builderAction,
InvocationKind.EXACTLY_ONCE) }\n    return StringBuilder().apply(builderAction).toString()\n}\n\n/**\n *
Builds new string by populating newly created [StringBuilder] initialized with the given [capacity]\n * using
provided [builderAction] and then converting it to [String].\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun buildString(capacity: Int, builderAction:
String Builder.() -> Unit): String {\n    contract { callsInPlace(builderAction, InvocationKind.EXACTLY_ONCE)
}\n    return StringBuilder(capacity).apply(builderAction).toString()\n}\n\n/**\n * Appends all arguments to the
given StringBuilder.\n */\n@public fun StringBuilder.append(vararg value: String?): String Builder {\n    for (item in
value)\n        append(item)\n    return this\n}\n\n/**\n * Appends all arguments to the given StringBuilder.\n
*/\n@public fun StringBuilder.append(vararg value: Any?): String Builder {\n    for (item in value)\n        append(item)\n    return this\n}\n\n/**\n * Appends a line feed character (`\n`) to this StringBuilder.\n
*/\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun StringBuilder.appendLine():
StringBuilder = append("\n")\n\n/**\n * Appends [value] to this [StringBuilder], followed by a line feed character
(`\n`).\n */\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun StringBuilder.appendLine(value:
CharSequence?): String Builder = append(value).appendLine()\n\n/**\n * Appends [value] to this [StringBuilder],
followed by a line feed character (`\n`).\n */\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun
StringBuilder.appendLine(value: String?): String Builder = append(value).appendLine()\n\n/**\n * Appends [value] to

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this [StringBuilder], followed by a line feed character (`\n`).

```
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun StringBuilder.appendLine(value: Any?):  
StringBuilder = append(value).appendLine()\n\n/** Appends [value] to this [StringBuilder], followed by a line feed  
character (`\n`). */\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun  
StringBuilder.appendLine(value: CharArray): StringBuilder = append(value).appendLine()\n\n/** Appends [value]  
to this [StringBuilder], followed by a line feed character (`\n`).
```

```
*\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun StringBuilder.appendLine(value: Char):  
StringBuilder = append(value).appendLine()\n\n/** Appends [value] to this [StringBuilder], followed by a line feed  
character (`\n`). */\n@SinceKotlin("1.4")\n@kotlin.internal.InlineOnly\npublic inline fun  
StringBuilder.appendLine(value: Boolean): StringBuilder = append(value).appendLine()\n\n"/\n * Copyright 2010-  
2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the  
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.text\n\nimport  
kotlin.js.RegExp\n\n@kotlin.internal.InlineOnly\ninternal actual inline fun String.nativeIndexOf(ch: Char,  
fromIndex: Int): Int = nativeIndexOf(ch.toString(), fromIndex)\n\n@kotlin.internal.InlineOnly\ninternal actual  
inline fun String.nativeLastIndexOf(ch: Char, fromIndex: Int): Int = nativeLastIndexOf(ch.toString(),  
fromIndex)\n\n/**\n * Returns `true` if this string starts with the specified prefix.\n
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```
*\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual fun  
String.startsWith(prefix: String, ignoreCase: Boolean = false): Boolean {\n    if (!ignoreCase)\n        return  
nativeStartsWith(prefix, 0)\n    else\n        return regionMatches(0, prefix, 0, prefix.length, ignoreCase)\n}\n\n/**\n * Returns `true` if a substring of this string starting at the specified offset [startIndex] starts with the specified prefix.\n
```

```
*\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual fun  
String.startsWith(prefix: String, startIndex: Int, ignoreCase: Boolean = false): Boolean {\n    if (!ignoreCase)\n        return nativeStartsWith(prefix, startIndex)\n    else\n        return regionMatches(startIndex, prefix, 0, prefix.length,  
ignoreCase)\n}\n\n/**\n * Returns `true` if this string ends with the specified suffix.\n
```

```
*\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual fun  
String.endsWith(suffix: String, ignoreCase: Boolean = false): Boolean {\n    if (!ignoreCase)\n        return  
nativeEndsWith(suffix)\n    else\n        return regionMatches(length - suffix.length, suffix, 0, suffix.length,  
ignoreCase)\n}\n\n@Deprecated("Use Regex.matches() instead",
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ReplaceWith("regex.toRegex().matches(this)")\n@DeprecatedSinceKotlin(warningSince = "1.6")\npublic fun  
String.matches(regex: String): Boolean {\n    @Suppress("DEPRECATION")\n    val result = this.match(regex)\n    return result != null && result.size != 0\n}\n\n/**\n * Returns `true` if this string is empty or consists solely of  
whitespace characters.\n * @sample samples.text.Strings.stringIsBlank\n */\npublic actual fun
```

```
CharSequence.isBlank(): Boolean = length == 0 || indices.all { this[it].isWhitespace() }\n\n/**\n * Returns `true` if  
this string is equal to [other], optionally ignoring character case.\n * @param ignoreCase `true` to ignore  
character case when comparing strings. By default `false`.\n
```

```
*\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual fun  
String?.equals(other: String?, ignoreCase: Boolean = false): Boolean {\n    if (this == null) return other == null\n    if (other == null) return false\n    if (!ignoreCase) return this == other\n    if (this.length != other.length) return  
false\n    for (index in 0 until this.length) {\n        val thisChar = this[index]\n        val otherChar = other[index]\n        if (!thisChar.equals(otherChar, ignoreCase))\n            return false\n    }\n    return  
true\n}\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual fun  
CharSequence.regionMatches(thisOffset: Int, other: CharSequence, otherOffset: Int, length: Int, ignoreCase:  
Boolean = false): Boolean =\n    regionMatchesImpl(thisOffset, other, otherOffset, length, ignoreCase)\n\n/**\n * Returns a copy of this string having its first letter titlecased using the rules of the default locale,\n * or the original  
string if it's empty or already starts with a title case letter.\n * @param ignoreCase `true` to ignore  
character case when comparing strings. By default `false`.\n * The title case of a character is usually the same as  
its upper case with several exceptions.\n * The particular list of characters with the special title case form depends
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on the underlying platform.\n *\n * @sample samples.text.Strings.capitalize\n *\n@Deprecated("Use
replaceFirstChar instead.", ReplaceWith("replaceFirstChar { if (it.isLowerCase()) it.titlecase() else it.toString()
}")\n)\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic actual fun String.capitalize(): String {\n return if
(isNotEmpty()) substring(0, 1).uppercase() + substring(1) else this\n}\n\n/**\n * Returns a copy of this string having
its first letter lowercased using the rules of the default locale,\n * or the original string if it's empty or already starts
with a lower case letter.\n *\n * @sample samples.text.Strings.decapiatalize\n *\n@Deprecated("Use
replaceFirstChar instead.", ReplaceWith("replaceFirstChar { it.lowercase()
}")\n)\n@DeprecatedSinceKotlin(warningSince = "1.5")\npublic actual fun String.decapiatalize(): String {\n return
if (isNotEmpty()) substring(0, 1).lowercase() + substring(1) else this\n}\n\n/**\n * Returns a string containing this
char sequence repeated [n] times.\n *\n * @throws [IllegalArgumentException] when n < 0.\n *\n * @sample
samples.text.Strings.repeat\n *\n\npublic actual fun CharSequence.repeat(n: Int): String {\n require(n >= 0) {\n
"Count 'n' must be non-negative, but was $n." }\n return when (n) {\n 0 -> ""\n 1 -> this.toString()\n
else -> {\n var result = ""\n if (!isEmpty()) {\n var s = this.toString()\n var count =
n\n while (true) {\n if ((count and 1) == 1) {\n result += s\n }\n
count = count ushr 1\n if (count == 0) {\n break\n }\n s +=
s\n }\n }\n return result\n }\n }\n}\n\n/**\n * Returns a new string obtained by
replacing all occurrences of the [oldValue] substring in this string\n * with the specified [newValue] string.\n *\n *
@sample samples.text.Strings.replace\n
*\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n\npublic actual fun
String.replace(oldValue: String, newValue: String, ignoreCase: Boolean = false): String =\n
nativeReplace(Regex(Regex.escape(oldValue)), if (ignoreCase) "gui" else "gu"),
Regex.nativeEscapeReplacement(newValue))\n\n/**\n * Returns a new string with all occurrences of [oldChar]
replaced with [newChar].\n *\n * @sample samples.text.Strings.replace\n
*\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n\npublic actual fun
String.replace(oldChar: Char, newChar: Char, ignoreCase: Boolean = false): String =\n
nativeReplace(Regex(Regex.escape(oldChar.toString())), if (ignoreCase) "gui" else "gu"),
newChar.toString())\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n\npublic actual
fun String.replaceFirst(oldValue: String, newValue: String, ignoreCase: Boolean = false): String =\n
nativeReplace(Regex(Regex.escape(oldValue)), if (ignoreCase) "ui" else "u"),
Regex.nativeEscapeReplacement(newValue))\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGU
MENTS")\n\npublic actual fun String.replaceFirst(oldChar: Char, newChar: Char, ignoreCase: Boolean = false):
String =\n nativeReplace(Regex(Regex.escape(oldChar.toString())), if (ignoreCase) "ui" else "u"),
newChar.toString())\n\n", /*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n\npackage kotlin.text\n\n/** Returns the negative [size] if [throwOnMalformed] is
false, throws [CharacterCodingException] otherwise. *\nprivate fun malformed(size: Int, index: Int,
throwOnMalformed: Boolean): Int {\n if (throwOnMalformed) throw CharacterCodingException("Malformed
sequence starting at ${index - 1}")\n return -size\n}\n\n/** Returns code point corresponding to UTF-16
surrogate pair,\n * where the first of the pair is the [high] and the second is in the [string] at the [index].\n * Returns
zero if the pair is malformed and [throwOnMalformed] is false.\n *\n * @throws CharacterCodingException if the
pair is malformed and [throwOnMalformed] is true.\n *\nprivate fun codePointFromSurrogate(string: String, high:
Int, index: Int, endIndex: Int, throwOnMalformed: Boolean): Int {\n if (high !in 0xD800..0xDBFF || index >=
endIndex) {\n return malformed(0, index, throwOnMalformed)\n }\n val low = string[index].code\n if
(low !in 0xDC00..0xDFFF) {\n return malformed(0, index, throwOnMalformed)\n }\n return 0x10000 +
((high and 0x3FF) shl 10) or (low and 0x3FF)\n}\n\n/** Returns code point corresponding to UTF-8 sequence of
two bytes,\n * where the first byte of the sequence is the [byte1] and the second byte is in the [bytes] array at the
[index].\n * Returns zero if the sequence is malformed and [throwOnMalformed] is false.\n *\n * @throws
CharacterCodingException if the sequence of two bytes is malformed and [throwOnMalformed] is true.\n

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*/\nprivate fun codePointFrom2(bytes: ByteArray, byte1: Int, index: Int, endIndex: Int, throwOnMalformed:
Boolean): Int {\n  if (byte1 and 0x1E == 0 || index >= endIndex) {\n    return malformed(0, index,
throwOnMalformed)\n  }\n  val byte2 = bytes[index].toInt()\n  if (byte2 and 0xC0 != 0x80) {\n    return
malformed(0, index, throwOnMalformed)\n  }\n  return (byte1 shl 6) xor byte2 xor 0xF80}\n\n/**\n * Returns
code point corresponding to UTF-8 sequence of three bytes,\n * where the first byte of the sequence is the [byte1]
and the others are in the [bytes] array starting from the [index].\n * Returns a non-positive value indicating number
of bytes from [bytes] included in malformed sequence\n * if the sequence is malformed and [throwOnMalformed] is
false.\n * @throws CharacterCodingException if the sequence of three bytes is malformed and
[throwOnMalformed] is true.\n */\nprivate fun codePointFrom3(bytes: ByteArray, byte1: Int, index: Int, endIndex:
Int, throwOnMalformed: Boolean): Int {\n  if (index >= endIndex) {\n    return malformed(0, index,
throwOnMalformed)\n  }\n  val byte2 = bytes[index].toInt()\n  if (byte1 and 0xF == 0) {\n    if (byte2 and
0xE0 != 0xA0) {\n      // Non-shortest form\n      return malformed(0, index, throwOnMalformed)\n    }\n  }
else if (byte1 and 0xF == 0xD) {\n    if (byte2 and 0xE0 != 0x80) {\n      // Surrogate code point\n
return malformed(0, index, throwOnMalformed)\n    }\n  } else if (byte2 and 0xC0 != 0x80) {\n    return
malformed(0, index, throwOnMalformed)\n  }\n  if (index + 1 == endIndex) {\n    return malformed(1, index,
throwOnMalformed)\n  }\n  val byte3 = bytes[index + 1].toInt()\n  if (byte3 and 0xC0 != 0x80) {\n    return
malformed(1, index, throwOnMalformed)\n  }\n  return (byte1 shl 12) xor (byte2 shl 6) xor byte3 xor -
0x1E080}\n\n/**\n * Returns code point corresponding to UTF-8 sequence of four bytes,\n * where the first byte
of the sequence is the [byte1] and the others are in the [bytes] array starting from the [index].\n * Returns a non-
positive value indicating number of bytes from [bytes] included in malformed sequence\n * if the sequence is
malformed and [throwOnMalformed] is false.\n * @throws CharacterCodingException if the sequence of four
bytes is malformed and [throwOnMalformed] is true.\n */\nprivate fun codePointFrom4(bytes: ByteArray, byte1:
Int, index: Int, endIndex: Int, throwOnMalformed: Boolean): Int {\n  if (index >= endIndex) {\n    malformed(0,
index, throwOnMalformed)\n  }\n  val byte2 = bytes[index].toInt()\n  if (byte1 and 0xF == 0x0) {\n    if
(byte2 and 0xF0 <= 0x80) {\n      // Non-shortest form\n      return malformed(0, index,
throwOnMalformed)\n    }\n  } else if (byte1 and 0xF == 0x4) {\n    if (byte2 and 0xF0 != 0x80) {\n      //
Out of Unicode code points domain (larger than U+10FFFF)\n      return malformed(0, index,
throwOnMalformed)\n    }\n  } else if (byte1 and 0xF > 0x4) {\n    return malformed(0, index,
throwOnMalformed)\n  } else if (byte2 and 0xC0 != 0x80) {\n    return malformed(0, index,
throwOnMalformed)\n  }\n  if (index + 1 == endIndex) {\n    return malformed(1, index,
throwOnMalformed)\n  }\n  val byte3 = bytes[index + 1].toInt()\n  if (byte3 and 0xC0 != 0x80) {\n    return
malformed(1, index, throwOnMalformed)\n  }\n  if (index + 2 == endIndex) {\n    return malformed(2, index,
throwOnMalformed)\n  }\n  val byte4 = bytes[index + 2].toInt()\n  if (byte4 and 0xC0 != 0x80) {\n    return
malformed(2, index, throwOnMalformed)\n  }\n  return (byte1 shl 18) xor (byte2 shl 12) xor (byte3 shl 6) xor
byte4 xor 0x381F80}\n\n/**\n * Maximum number of bytes needed to encode a single char.\n * Code points in
`0..0x7F` are encoded in a single byte.\n * Code points in `0x80..0x7FF` are encoded in two bytes.\n * Code points
in `0x800..0xD7FF` or in `0xE000..0xFFFF` are encoded in three bytes.\n * Surrogate code points in
`0xD800..0xDFFF` are not Unicode scalar values, therefore aren't encoded.\n * Code points in
`0x10000..0x10FFFF` are represented by a pair of surrogate `Char`s and are encoded in four bytes.\n */\nprivate
const val MAX_BYTES_PER_CHAR = 3\n\n/**\n * The byte sequence a malformed UTF-16 char sequence is
replaced by.\n */\nprivate val REPLACEMENT_BYTE_SEQUENCE: ByteArray = byteArrayOf(0xEF.toByte(),
0xBF.toByte(), 0xBD.toByte())\n\n/**\n * Encodes the [string] using UTF-8 and returns the resulting [ByteArray].\n
*\n * @param string the string to encode.\n * @param startIndex the start offset (inclusive) of the substring to
encode.\n * @param endIndex the end offset (exclusive) of the substring to encode.\n * @param
throwOnMalformed whether to throw on malformed char sequence or replace by the
[REPLACEMENT_BYTE_SEQUENCE].\n * @throws CharacterCodingException if the char sequence is
malformed and [throwOnMalformed] is true.\n */\ninternal fun encodeUtf8(string: String, startIndex: Int, endIndex:
Int, throwOnMalformed: Boolean): ByteArray {\n  require(startIndex >= 0 && endIndex <= string.length &&

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console.error(this.stackTraceToString())\n}\n\n/**\n * Adds the specified exception to the list of exceptions that
were\n * suppressed in order to deliver this exception.\n */\n@SinceKotlin("1.4")\npublic actual fun
Throwable.addSuppressed(exception: Throwable) {\n    if (this !== exception) {\n        val suppressed =
this.asDynamic()._suppressed.unsafeCast<MutableList<Throwable>?>()\n        if (suppressed == null) {\n
this.asDynamic()._suppressed = mutableListOf(exception)\n        } else {\n            suppressed.add(exception)\n
}\n    }\n}\n\n/**\n * Returns a list of all exceptions that were suppressed in order to deliver this exception.\n
*/\n@SinceKotlin("1.4")\npublic actual val Throwable.suppressedExceptions: List<Throwable>\n    get() {\n
return this.asDynamic()._suppressed?.unsafeCast<List<Throwable>>() ?: emptyList()\n    }\n\nprivate class
ExceptionTraceBuilder {\n    private val target = StringBuilder()\n    private val visited = arrayOf<Throwable>()\n
private var topStack: String = ""\n    private var topStackStart: Int = 0\n    fun buildFor(exception: Throwable):
String {\n        exception.dumpFullTrace("", "")\n        return target.toString()\n    }\n    private fun
hasSeen(exception: Throwable): Boolean = visited.any { it === exception }\n    private fun
Throwable.dumpFullTrace(indent: String, qualifier: String) {\n        this.dumpSelfTrace(indent, qualifier) ||
return\n        var cause = this.cause\n        while (cause != null) {\n            cause.dumpSelfTrace(indent, "Caused
by: ") || return\n            cause = cause.cause\n        }\n    }\n    private fun Throwable.dumpSelfTrace(indent:
String, qualifier: String): Boolean {\n        target.append(indent).append(qualifier)\n        val shortInfo =
this.toString()\n        if (hasSeen(this)) {\n            target.append("[CIRCULAR REFERENCE, SEE ABOVE:
").append(shortInfo).append("]\n")\n            return false\n        }\n        visited.asDynamic().push(this)\n        var
stack = this.asDynamic().stack as String?\n        if (stack != null) {\n            val stackStart =
stack.indexOf(shortInfo).let { if (it < 0) 0 else it + shortInfo.length }\n            if (stackStart == 0)\n            target.append(shortInfo).append("\n")\n            if (topStack.isEmpty()) {\n                topStack = stack\n
topStackStart = stackStart\n            } else {\n                stack = dropCommonFrames(stack, stackStart)\n            }\n
            if (indent.isNotEmpty()) {\n                // indent stack, but avoid indenting exception message lines\n                val
messageLines = if (stackStart == 0) 0 else 1 + shortInfo.count { c -> c == '\n' }\n                stack.lineSequence().forEachIndexed { index: Int, line: String ->\n                    if (index >= messageLines)\n                    target.append(indent)\n                    target.append(line).append("\n")\n                    }\n                } else {\n                    target.append(stack).append("\n")\n                }\n            } else {\n                target.append(shortInfo).append("\n")\n            }\n        }\n        val suppressed = suppressedExceptions\n        if (suppressed.isNotEmpty()) {\n            val
suppressedIndent = indent + "  "\n            for (s in suppressed) {\n                s.dumpFullTrace(suppressedIndent,
"Suppressed: ")\n            }\n        }\n        return true\n    }\n    private fun dropCommonFrames(stack: String,
stackStart: Int): String {\n        var commonFrames: Int = 0\n        var lastBreak: Int = 0\n        var preLastBreak: Int
= 0\n        for (pos in 0 until minOf(topStack.length - topStackStart, stack.length - stackStart)) {\n            val c =
stack[stack.lastIndex - pos]\n            if (c != topStack[topStack.lastIndex - pos]) break\n            if (c == '\n') {\n
                commonFrames += 1\n                preLastBreak = lastBreak\n                lastBreak = pos\n            }\n        }\n
if (commonFrames <= 1) return stack\n        while (preLastBreak > 0 && stack[stack.lastIndex - (preLastBreak - 1)]
== '\n')\n            preLastBreak -= 1\n        // leave 1 common frame to ease matching with the top exception stack\n
return stack.dropLast(preLastBreak) + "... and ${commonFrames - 1} more common stack frames skipped"\n    }\n}\n\n"/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this
source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\npackage kotlin.time\nimport kotlin.js.json\nimport kotlin.math.*\n\ninternal actual inline val
durationAssertionsEnabled: Boolean get() = true\n\ninternal actual fun formatToExactDecimals(value: Double,
decimals: Int): String {\n    val rounded = if (decimals == 0) {\n        value\n    } else {\n        val pow =
10.0.pow(decimals)\n        JsMath.round(abs(value) * pow) / pow * sign(value)\n    }\n    return if (abs(rounded) <
1e21) {\n        // toFixed switches to scientific format after 1e21\n
rounded.asDynamic().toFixed(decimals).unsafeCast<String>()\n    } else {\n        // toPrecision outputs the specified
number of digits, but only for positive numbers\n        val positive = abs(rounded)\n        val positiveString =
positive.asDynamic().toPrecision(ceil(log10(positive)) + decimals).unsafeCast<String>()\n        if (rounded < 0) "-"
+ positiveString\n    } else positiveString\n    }\n}\n\ninternal actual fun formatUpToDecimals(value: Double, decimals:

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Int): String {\n    return value.asDynamic().toLocaleString("\en-us", json("\maximumFractionDigits" to
decimals)).unsafeCast<String>()\n}\n", /*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage
kotlin.time\n\n@SinceKotlin("\1.6")\n@WasExperimental(ExperimentalTime::class)\npublic actual enum class
DurationUnit(internal val scale: Double) {\n    /**\n     * Time unit representing one nanosecond, which is 1/1000 of
a microsecond.\n     */\n    NANOSECONDS(1e0),\n    /**\n     * Time unit representing one microsecond, which is
1/1000 of a millisecond.\n     */\n    MICROSECONDS(1e3),\n    /**\n     * Time unit representing one millisecond,
which is 1/1000 of a second.\n     */\n    MILLISECONDS(1e6),\n    /**\n     * Time unit representing one second.\n
*/\n    SECONDS(1e9),\n    /**\n     * Time unit representing one minute.\n     */\n    MINUTES(60e9),\n    /**\n
     * Time unit representing one hour.\n     */\n    HOURS(3600e9),\n    /**\n     * Time unit representing one day,
which is always equal to 24 hours.\n     */\n    DAYS(86400e9);\n}\n\n@SinceKotlin("\1.3")\ninternal actual fun
convertDurationUnit(value: Double, sourceUnit: DurationUnit, targetUnit: DurationUnit): Double {\n    val
sourceCompareTarget = sourceUnit.scale.compareTo(targetUnit.scale)\n    return when {\n
sourceCompareTarget > 0 -> value * (sourceUnit.scale / targetUnit.scale)\n    sourceCompareTarget < 0 -> value /
(targetUnit.scale / sourceUnit.scale)\n    else -> value\n    }\n}\n\n@SinceKotlin("\1.5")\ninternal actual fun
convertDurationUnitOverflow(value: Long, sourceUnit: DurationUnit, targetUnit: DurationUnit): Long {\n    val
sourceCompareTarget = sourceUnit.scale.compareTo(targetUnit.scale)\n    return when {\n
sourceCompareTarget > 0 -> value * (sourceUnit.scale / targetUnit.scale).toLong()\n    sourceCompareTarget < 0
-> value / (targetUnit.scale / sourceUnit.scale).toLong()\n    else -> value\n
}\n}\n\n@SinceKotlin("\1.5")\ninternal actual fun convertDurationUnit(value: Long, sourceUnit: DurationUnit,
targetUnit: DurationUnit): Long {\n    val sourceCompareTarget = sourceUnit.scale.compareTo(targetUnit.scale)\n
return when {\n    sourceCompareTarget > 0 -> {\n        val scale = (sourceUnit.scale /
targetUnit.scale).toLong()\n        val result = value * scale\n        when {\n            result / scale == value ->
result\n            value > 0 -> Long.MAX_VALUE\n            else -> Long.MIN_VALUE\n        }\n    }\n
sourceCompareTarget < 0 -> value / (targetUnit.scale / sourceUnit.scale).toLong()\n    else -> value\n
}\n}\n\n", /*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\npackage kotlin.time\n\nimport org.w3c.performance.GlobalPerformance\nimport
org.w3c.performance.Performance\n\n@SinceKotlin("\1.3")\n@ExperimentalTime\ninternal actual object
MonotonicTimeSource : TimeSource {\n    private val actualSource: TimeSource = run {\n        val isNode:
Boolean = js("\typeof process !== 'undefined' && process.versions && !process.versions.node")\n        if
(isNode)\n            HrTimeSource(js("\process").unsafeCast<Process>())\n        else\n
js("\self").unsafeCast<GlobalPerformance?>()?.performance?.let(::PerformanceTimeSource)\n        ?:\n
DateNowTimeSource\n    }\n    override fun markNow(): TimeMark = actualSource.markNow()\n}\n\ninternal
external interface Process {\n    fun hrtime(time: Array<Double> = definedExternally):
Array<Double>\n}\n\n@SinceKotlin("\1.3")\n@ExperimentalTime\ninternal class HrTimeSource(val process:
Process) : TimeSource {\n    override fun markNow(): TimeMark = object : TimeMark() {\n        val startedAt =
process.hrtime()\n        override fun elapsedNow(): Duration =\n            process.hrtime(startedAt).let { (seconds,
nanos) -> seconds.toDuration(DurationUnit.SECONDS) + nanos.toDuration(DurationUnit.NANOSECONDS) }\n    }\n
    override fun toString(): String =
"\TimeSource(process.hrtime())"\n}\n\n@SinceKotlin("\1.3")\n@ExperimentalTime\ninternal class
PerformanceTimeSource(val performance: Performance) : AbstractDoubleTimeSource(unit =
DurationUnit.MILLISECONDS) {\n    override fun read(): Double = performance.now()\n    override fun toString():
String = "\TimeSource(self.performance.now())"\n}\n\n@SinceKotlin("\1.3")\n@ExperimentalTime\ninternal
object DateNowTimeSource : AbstractDoubleTimeSource(unit = DurationUnit.MILLISECONDS) {\n    override
fun read(): Double = kotlin.js.Date.now()\n    override fun toString(): String = "\TimeSource(Date.now())"\n}, /*\n
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```

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```

package
kotlinx.dom
import org.w3c.dom.*
import kotlin.contracts.*
 * Creates a new element with the
specified [name].
 * The element is initialized with the specified [init] function.
@SinceKotlin("1.4")
public fun Document.createElement(name: String, init: Element.() -> Unit): Element {
    contract { callsInPlace(init, InvocationKind.EXACTLY_ONCE) }
    return
createElement(name).apply(init)
}
 * Appends a newly created element with the specified [name] to this
element.
 * The element is initialized with the specified [init] function.
@SinceKotlin("1.4")
public fun
Element.appendChild(name: String, init: Element.() -> Unit): Element {
    contract { callsInPlace(init,
InvocationKind.EXACTLY_ONCE) }
    return ownerDocument!!.createElement(name, init).also {
appendChild(it) }
}
"/
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contributors.
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license/LICENSE.txt file.
package kotlinx.dom
import org.w3c.dom.*
/** Returns true if the element
has the given CSS class style in its 'class' attribute
@SinceKotlin("1.4")
fun Element.hasClass(cssClass:
String): Boolean = className.matches("\\\\s*(\\.|\\\\s+)$cssClass(\\\\s+.*|\\\\s)".toRegex())
/** Adds CSS class
to element. Has no effect if all specified classes are already in class attribute of the element
 * @return true if at
least one class has been added
@SinceKotlin("1.4")
fun Element.addClass(vararg cssClasses: String):
Boolean {
    val missingClasses = cssClasses.filterNot { hasClass(it) }
    if (missingClasses.isNotEmpty()) {
        val presentClasses = className.trim()
        className = buildString {
            append(presentClasses)
            if
(!presentClasses.isEmpty()) {
                append(" ")
            }
            missingClasses.joinTo(this, " ")
        }
        return true
    }
    return false
}
/** Removes all [cssClasses] from element. Has no effect if all
specified classes are missing in class attribute of the element
 * @return true if at least one class has been
removed
@SinceKotlin("1.4")
fun Element.removeClass(vararg cssClasses: String): Boolean {
    if
(cssClasses.any { hasClass(it) }) {
        val toBeRemoved = cssClasses.toSet()
        className =
className.trim().split("\\\\s+").toRegex().filter { it !in toBeRemoved }.joinToString(" ")
        return true
    }
    return false
}
"/
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license/LICENSE.txt file.
@file:kotlin.jvm.JvmMultifileClass
@file:kotlin.jvm.JvmName("StringsKt")
package
kotlin.text
/** Converts the string into a regular expression [Regex] with the default options.
@kotlin.internal.InlineOnly
public inline fun String.toRegex(): Regex = Regex(this)
/** Converts the
string into a regular expression [Regex] with the specified single [option].
@kotlin.internal.InlineOnly
public
inline fun String.toRegex(option: RegexOption): Regex = Regex(this, option)
/** Converts the string into a
regular expression [Regex] with the specified set of [options].
@kotlin.internal.InlineOnly
public inline fun
String.toRegex(options: Set<RegexOption>): Regex = Regex(this, options)
"/
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Apache 2.0 license that can be found in the license/LICENSE.txt file.
package kotlinx.dom
import
org.w3c.dom.*
/** Gets a value indicating whether this node is a TEXT_NODE or a
CDATA_SECTION_NODE.
@SinceKotlin("1.4")
public val Node.isText: Boolean
    get() = nodeType
== Node.TEXT_NODE || nodeType == Node.CDATA_SECTION_NODE
/** Gets a value indicating
whether this node is an [Element].
@SinceKotlin("1.4")
public val Node.isElement: Boolean
    get() =
nodeType == Node.ELEMENT_NODE
"/
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Language contributors.
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license/LICENSE.txt file.
package kotlinx.dom
import org.w3c.dom.*
/** Removes all the children
from this node.
@SinceKotlin("1.4")
public fun Node.clear() {
    while (hasChildNodes()) {
removeChild(firstChild!)
    }
}
/** Creates text node and append it to the element.
 * @return this
element
@SinceKotlin("1.4")
fun Element.appendChild(text: String): Element {
appendChild(ownerDocument!!.createTextNode(text))
    return this
}
"/
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```

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license that can be found in the license/LICENSE.txt file.\n *\n\npackage org.w3c.dom\n\n@Deprecated("Use
UnionMessagePortOrWindowProxy instead.", ReplaceWith("UnionMessagePortOrWindowProxy"))\ntypealias
UnionMessagePortOrWindow = UnionMessagePortOrWindowProxy\n\n@Deprecated("Use `as` instead.",
ReplaceWith("`as`"))\nvar HTMLLinkElement.as_\n get() = `as`\n set(value) {\n `as` = value\n
}\n\n@Deprecated("Use `is` instead.", ReplaceWith("`is`"))\nvar ElementCreationOptions.is_\n get() = `is`\n
set(value) {\n `is` = value\n }"/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT!\n// See
github.com/kotlin/dukat for details\n\npackage org.khronos.webgl\n\nimport kotlin.js.*\nimport
org.w3c.dom.*\nimport org.w3c.dom.events.*\n\npublic external interface WebGLContextAttributes {\n var
alpha: Boolean? /* = true */\n get() = definedExternally\n set(value) = definedExternally\n var depth:
Boolean? /* = true */\n get() = definedExternally\n set(value) = definedExternally\n var stencil: Boolean?
/* = false */\n get() = definedExternally\n set(value) = definedExternally\n var antialias: Boolean? /* =
true */\n get() = definedExternally\n set(value) = definedExternally\n var premultipliedAlpha: Boolean?
/* = true */\n get() = definedExternally\n set(value) = definedExternally\n var preserveDrawingBuffer:
Boolean? /* = false */\n get() = definedExternally\n set(value) = definedExternally\n var
preferLowPowerToHighPerformance: Boolean? /* = false */\n get() = definedExternally\n set(value) =
definedExternally\n var failIfMajorPerformanceCaveat: Boolean? /* = false */\n get() = definedExternally\n
set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun WebGLContextAttributes(alpha:
Boolean? = true, depth: Boolean? = true, stencil: Boolean? = false, antialias: Boolean? = true, premultipliedAlpha:
Boolean? = true, preserveDrawingBuffer: Boolean? = false, preferLowPowerToHighPerformance: Boolean? = false,
failIfMajorPerformanceCaveat: Boolean? = false): WebGLContextAttributes {\n val o = js("{}")\n
o["alpha"] = alpha\n o["depth"] = depth\n o["stencil"] = stencil\n o["antialias"] = antialias\n
o["premultipliedAlpha"] = premultipliedAlpha\n o["preserveDrawingBuffer"] = preserveDrawingBuffer\n
o["preferLowPowerToHighPerformance"] = preferLowPowerToHighPerformance\n
o["failIfMajorPerformanceCaveat"] = failIfMajorPerformanceCaveat\n return o\n}\n\npublic external abstract
class WebGLObject\n\n/**\n * Exposes the JavaScript
[WebGLBuffer](https://developer.mozilla.org/en/docs/Web/API/WebGLBuffer) to Kotlin\n *\n\npublic external
abstract class WebGLBuffer : WebGLObject\n\n/**\n * Exposes the JavaScript
[WebGLFramebuffer](https://developer.mozilla.org/en/docs/Web/API/WebGLFramebuffer) to Kotlin\n *\n\npublic
external abstract class WebGLFramebuffer : WebGLObject\n\n/**\n * Exposes the JavaScript
[WebGLProgram](https://developer.mozilla.org/en/docs/Web/API/WebGLProgram) to Kotlin\n *\n\npublic external
abstract class WebGLProgram : WebGLObject\n\n/**\n * Exposes the JavaScript
[WebGLRenderbuffer](https://developer.mozilla.org/en/docs/Web/API/WebGLRenderbuffer) to Kotlin\n *\n\npublic
external abstract class WebGLRenderbuffer : WebGLObject\n\n/**\n * Exposes the JavaScript
[WebGLShader](https://developer.mozilla.org/en/docs/Web/API/WebGLShader) to Kotlin\n *\n\npublic external
abstract class WebGLShader : WebGLObject\n\n/**\n * Exposes the JavaScript
[WebGLTexture](https://developer.mozilla.org/en/docs/Web/API/WebGLTexture) to Kotlin\n *\n\npublic external
abstract class WebGLTexture : WebGLObject\n\n/**\n * Exposes the JavaScript
[WebGLUniformLocation](https://developer.mozilla.org/en/docs/Web/API/WebGLUniformLocation) to Kotlin\n
*\n\npublic external abstract class WebGLUniformLocation\n\n/**\n * Exposes the JavaScript
[WebGLActiveInfo](https://developer.mozilla.org/en/docs/Web/API/WebGLActiveInfo) to Kotlin\n *\n\npublic
external abstract class WebGLActiveInfo {\n open val size: Int\n open val type: Int\n open val name:
String\n}\n\n/**\n * Exposes the JavaScript
[WebGLShaderPrecisionFormat](https://developer.mozilla.org/en/docs/Web/API/WebGLShaderPrecisionFormat) to
Kotlin\n *\n\npublic external abstract class WebGLShaderPrecisionFormat {\n open val rangeMin: Int\n open val
rangeMax: Int\n open val precision:

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Int\n}\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface
WebGLRenderingContextBase {\n    val canvas: HTMLCanvasElement\n    val drawingBufferWidth: Int\n    val
drawingBufferHeight: Int\n    fun getContextAttributes(): WebGLContextAttributes?\n    fun isContextLost():
Boolean\n    fun getSupportedExtensions(): Array<String>?\n    fun getExtension(name: String): dynamic\n    fun
activeTexture(texture: Int)\n    fun attachShader(program: WebGLProgram?, shader: WebGLShader?)\n    fun
bindAttribLocation(program: WebGLProgram?, index: Int, name: String)\n    fun bindBuffer(target: Int, buffer:
WebGLBuffer?)\n    fun bindFramebuffer(target: Int, framebuffer: WebGLFramebuffer?)\n    fun
bindRenderbuffer(target: Int, renderbuffer: WebGLRenderbuffer?)\n    fun bindTexture(target: Int, texture:
WebGLTexture?)\n    fun blendColor(red: Float, green: Float, blue: Float, alpha: Float)\n    fun
blendEquation(mode: Int)\n    fun blendEquationSeparate(modeRGB: Int, modeAlpha: Int)\n    fun
blendFunc(sfactor: Int, dfactor: Int)\n    fun blendFuncSeparate(srcRGB: Int, dstRGB: Int, srcAlpha: Int, dstAlpha:
Int)\n    fun bufferData(target: Int, size: Int, usage: Int)\n    fun bufferData(target: Int, data: BufferDataSource?,
usage: Int)\n    fun bufferSubData(target: Int, offset: Int, data: BufferDataSource?)\n    fun
checkFramebufferStatus(target: Int): Int\n    fun clear(mask: Int)\n    fun clearColor(red: Float, green: Float, blue:
Float, alpha: Float)\n    fun clearDepth(depth: Float)\n    fun clearStencil(s: Int)\n    fun colorMask(red: Boolean,
green: Boolean, blue: Boolean, alpha: Boolean)\n    fun compileShader(shader: WebGLShader?)\n    fun
compressedTexImage2D(target: Int, level: Int, internalformat: Int, width: Int, height: Int, border: Int, data:
ArrayBufferView)\n    fun compressedTexSubImage2D(target: Int, level: Int, xoffset: Int, yoffset: Int, width: Int,
height: Int, format: Int, data: ArrayBufferView)\n    fun copyTexImage2D(target: Int, level: Int, internalformat: Int,
x: Int, y: Int, width: Int, height: Int, border: Int)\n    fun copyTexSubImage2D(target: Int, level: Int, xoffset: Int,
yoffset: Int, x: Int, y: Int, width: Int, height: Int)\n    fun createBuffer(): WebGLBuffer?\n    fun createFramebuffer():
WebGLFramebuffer?\n    fun createProgram(): WebGLProgram?\n    fun createRenderbuffer():
WebGLRenderbuffer?\n    fun createShader(type: Int): WebGLShader?\n    fun createTexture(): WebGLTexture?\n
fun cullFace(mode: Int)\n    fun deleteBuffer(buffer: WebGLBuffer?)\n    fun deleteFramebuffer(framebuffer:
WebGLFramebuffer?)\n    fun deleteProgram(program: WebGLProgram?)\n    fun deleteRenderbuffer(renderbuffer:
WebGLRenderbuffer?)\n    fun deleteShader(shader: WebGLShader?)\n    fun deleteTexture(texture:
WebGLTexture?)\n    fun depthFunc(func: Int)\n    fun depthMask(flag: Boolean)\n    fun depthRange(zNear: Float,
zFar: Float)\n    fun detachShader(program: WebGLProgram?, shader: WebGLShader?)\n    fun disable(cap: Int)\n
fun disableVertexAttribArray(index: Int)\n    fun drawArrays(mode: Int, first: Int, count: Int)\n    fun
drawElements(mode: Int, count: Int, type: Int, offset: Int)\n    fun enable(cap: Int)\n    fun
enableVertexAttribArray(index: Int)\n    fun finish()\n    fun flush()\n    fun framebufferRenderbuffer(target: Int,
attachment: Int, renderbuffertarget: Int, renderbuffer: WebGLRenderbuffer?)\n    fun framebufferTexture2D(target:
Int, attachment: Int, textarget: Int, texture: WebGLTexture?, level: Int)\n    fun frontFace(mode: Int)\n    fun
generateMipmap(target: Int)\n    fun getActiveAttrib(program: WebGLProgram?, index: Int): WebGLActiveInfo?\n
fun getActiveUniform(program: WebGLProgram?, index: Int): WebGLActiveInfo?\n    fun
getAttachedShaders(program: WebGLProgram?): Array<WebGLShader>?\n    fun getAttribLocation(program:
WebGLProgram?, name: String): Int\n    fun getBufferParameter(target: Int, pname: Int): Any?\n    fun
getParameter(pname: Int): Any?\n    fun getError(): Int\n    fun getFramebufferAttachmentParameter(target: Int,
attachment: Int, pname: Int): Any?\n    fun getProgramParameter(program: WebGLProgram?, pname: Int): Any?\n
fun getProgramInfoLog(program: WebGLProgram?): String?\n    fun getRenderbufferParameter(target: Int, pname:
Int): Any?\n    fun getShaderParameter(shader: WebGLShader?, pname: Int): Any?\n    fun
getShaderPrecisionFormat(shadertype: Int, precisiontype: Int): WebGLShaderPrecisionFormat?\n    fun
getShaderInfoLog(shader: WebGLShader?): String?\n    fun getShaderSource(shader: WebGLShader?): String?\n
fun getTexParameter(target: Int, pname: Int): Any?\n    fun getUniform(program: WebGLProgram?, location:
WebGLUniformLocation?): Any?\n    fun getUniformLocation(program: WebGLProgram?, name: String):
WebGLUniformLocation?\n    fun getVertexAttrib(index: Int, pname: Int): Any?\n    fun
getVertexAttribOffset(index: Int, pname: Int): Int\n    fun hint(target: Int, mode: Int)\n    fun isBuffer(buffer:
WebGLBuffer?): Boolean\n    fun isEnabled(cap: Int): Boolean\n    fun isFramebuffer(framebuffer:

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WebGLFramebuffer?): Boolean\n fun isProgram(program: WebGLProgram?): Boolean\n fun
isRenderbuffer(renderbuffer: WebGLRenderbuffer?): Boolean\n fun isShader(shader: WebGLShader?): Boolean\n
fun isTexture(texture: WebGLTexture?): Boolean\n fun lineWidth(width: Float)\n fun linkProgram(program:
WebGLProgram?)\n fun pixelStorei(pname: Int, param: Int)\n fun polygonOffset(factor: Float, units: Float)\n
fun readPixels(x: Int, y: Int, width: Int, height: Int, format: Int, type: Int, pixels: ArrayBufferView?)\n fun
renderbufferStorage(target: Int, internalformat: Int, width: Int, height: Int)\n fun sampleCoverage(value: Float,
invert: Boolean)\n fun scissor(x: Int, y: Int, width: Int, height: Int)\n fun shaderSource(shader: WebGLShader?,
source: String)\n fun stencilFunc(func: Int, ref: Int, mask: Int)\n fun stencilFuncSeparate(face: Int, func: Int, ref:
Int, mask: Int)\n fun stencilMask(mask: Int)\n fun stencilMaskSeparate(face: Int, mask: Int)\n fun
stencilOp(fail: Int, zfail: Int, zpass: Int)\n fun stencilOpSeparate(face: Int, fail: Int, zfail: Int, zpass: Int)\n fun
texImage2D(target: Int, level: Int, internalformat: Int, width: Int, height: Int, border: Int, format: Int, type: Int, pixels:
ArrayBufferView?)\n fun texImage2D(target: Int, level: Int, internalformat: Int, format: Int, type: Int, source:
TexImageSource?)\n fun texParameterf(target: Int, pname: Int, param: Float)\n fun texParameteri(target: Int,
pname: Int, param: Int)\n fun texSubImage2D(target: Int, level: Int, xoffset: Int, yoffset: Int, width: Int, height: Int,
format: Int, type: Int, pixels: ArrayBufferView?)\n fun texSubImage2D(target: Int, level: Int, xoffset: Int, yoffset:
Int, format: Int, type: Int, source: TexImageSource?)\n fun uniform1f(location: WebGLUniformLocation?, x:
Float)\n fun uniform1fv(location: WebGLUniformLocation?, v: Float32Array)\n fun uniform1fv(location:
WebGLUniformLocation?, v: Array<Float>)\n fun uniform1i(location: WebGLUniformLocation?, x: Int)\n fun
uniform1iv(location: WebGLUniformLocation?, v: Int32Array)\n fun uniform1iv(location:
WebGLUniformLocation?, v: Array<Int>)\n fun uniform2f(location: WebGLUniformLocation?, x: Float, y:
Float)\n fun uniform2fv(location: WebGLUniformLocation?, v: Float32Array)\n fun uniform2fv(location:
WebGLUniformLocation?, v: Array<Float>)\n fun uniform2i(location: WebGLUniformLocation?, x: Int, y: Int)\n
fun uniform2iv(location: WebGLUniformLocation?, v: Int32Array)\n fun uniform2iv(location:
WebGLUniformLocation?, v: Array<Int>)\n fun uniform3f(location: WebGLUniformLocation?, x: Float, y: Float,
z: Float)\n fun uniform3fv(location: WebGLUniformLocation?, v: Float32Array)\n fun uniform3fv(location:
WebGLUniformLocation?, v: Array<Float>)\n fun uniform3i(location: WebGLUniformLocation?, x: Int, y: Int, z:
Int)\n fun uniform3iv(location: WebGLUniformLocation?, v: Int32Array)\n fun uniform3iv(location:
WebGLUniformLocation?, v: Array<Int>)\n fun uniform4f(location: WebGLUniformLocation?, x: Float, y: Float,
z: Float, w: Float)\n fun uniform4fv(location: WebGLUniformLocation?, v: Float32Array)\n fun
uniform4fv(location: WebGLUniformLocation?, v: Array<Float>)\n fun uniform4i(location:
WebGLUniformLocation?, x: Int, y: Int, z: Int, w: Int)\n fun uniform4iv(location: WebGLUniformLocation?, v:
Int32Array)\n fun uniform4iv(location: WebGLUniformLocation?, v: Array<Int>)\n fun
uniformMatrix2fv(location: WebGLUniformLocation?, transpose: Boolean, value: Float32Array)\n fun
uniformMatrix2fv(location: WebGLUniformLocation?, transpose: Boolean, value: Array<Float>)\n fun
uniformMatrix3fv(location: WebGLUniformLocation?, transpose: Boolean, value: Float32Array)\n fun
uniformMatrix3fv(location: WebGLUniformLocation?, transpose: Boolean, value: Array<Float>)\n fun
uniformMatrix4fv(location: WebGLUniformLocation?, transpose: Boolean, value: Float32Array)\n fun
uniformMatrix4fv(location: WebGLUniformLocation?, transpose: Boolean, value: Array<Float>)\n fun
useProgram(program: WebGLProgram?)\n fun validateProgram(program: WebGLProgram?)\n fun
vertexAttrib1f(index: Int, x: Float)\n fun vertexAttrib1fv(index: Int, values: dynamic)\n fun
vertexAttrib2f(index: Int, x: Float, y: Float)\n fun vertexAttrib2fv(index: Int, values: dynamic)\n fun
vertexAttrib3f(index: Int, x: Float, y: Float, z: Float)\n fun vertexAttrib3fv(index: Int, values: dynamic)\n fun
vertexAttrib4f(index: Int, x: Float, y: Float, z: Float, w: Float)\n fun vertexAttrib4fv(index: Int, values: dynamic)\n
fun vertexAttribPointer(index: Int, size: Int, type: Int, normalized: Boolean, stride: Int, offset: Int)\n fun
viewport(x: Int, y: Int, width: Int, height: Int)\n\n companion object {\n val DEPTH_BUFFER_BIT: Int\n
val STENCIL_BUFFER_BIT: Int\n val COLOR_BUFFER_BIT: Int\n val POINTS: Int\n val LINES:
Int\n val LINE_LOOP: Int\n val LINE_STRIP: Int\n val TRIANGLES: Int\n val
TRIANGLE_STRIP: Int\n val TRIANGLE_FAN: Int\n val ZERO: Int\n val ONE: Int\n val

```

SRC\_COLOR: Int\n val ONE\_MINUS\_SRC\_COLOR: Int\n val SRC\_ALPHA: Int\n val  
ONE\_MINUS\_SRC\_ALPHA: Int\n val DST\_ALPHA: Int\n val ONE\_MINUS\_DST\_ALPHA: Int\n  
val DST\_COLOR: Int\n val ONE\_MINUS\_DST\_COLOR: Int\n val SRC\_ALPHA\_SATURATE: Int\n  
val FUNC\_ADD: Int\n val BLEND\_EQUATION: Int\n val BLEND\_EQUATION\_RGB: Int\n val  
BLEND\_EQUATION\_ALPHA: Int\n val FUNC\_SUBTRACT: Int\n val FUNC\_REVERSE\_SUBTRACT:  
Int\n val BLEND\_DST\_RGB: Int\n val BLEND\_SRC\_RGB: Int\n val BLEND\_DST\_ALPHA: Int\n  
val BLEND\_SRC\_ALPHA: Int\n val CONSTANT\_COLOR: Int\n val  
ONE\_MINUS\_CONSTANT\_COLOR: Int\n val CONSTANT\_ALPHA: Int\n val  
ONE\_MINUS\_CONSTANT\_ALPHA: Int\n val BLEND\_COLOR: Int\n val ARRAY\_BUFFER: Int\n  
val ELEMENT\_ARRAY\_BUFFER: Int\n val ARRAY\_BUFFER\_BINDING: Int\n val  
ELEMENT\_ARRAY\_BUFFER\_BINDING: Int\n val STREAM\_DRAW: Int\n val STATIC\_DRAW: Int\n  
val DYNAMIC\_DRAW: Int\n val BUFFER\_SIZE: Int\n val BUFFER\_USAGE: Int\n val  
CURRENT\_VERTEX\_ATTRIB: Int\n val FRONT: Int\n val BACK: Int\n val FRONT\_AND\_BACK:  
Int\n val CULL\_FACE: Int\n val BLEND: Int\n val DITHER: Int\n val STENCIL\_TEST: Int\n  
val DEPTH\_TEST: Int\n val SCISSOR\_TEST: Int\n val POLYGON\_OFFSET\_FILL: Int\n val  
SAMPLE\_ALPHA\_TO\_COVERAGE: Int\n val SAMPLE\_COVERAGE: Int\n val NO\_ERROR: Int\n  
val INVALID\_ENUM: Int\n val INVALID\_VALUE: Int\n val INVALID\_OPERATION: Int\n val  
OUT\_OF\_MEMORY: Int\n val CW: Int\n val CCW: Int\n val LINE\_WIDTH: Int\n val  
ALIASED\_POINT\_SIZE\_RANGE: Int\n val ALIASED\_LINE\_WIDTH\_RANGE: Int\n val  
CULL\_FACE\_MODE: Int\n val FRONT\_FACE: Int\n val DEPTH\_RANGE: Int\n val  
DEPTH\_WRITEMASK: Int\n val DEPTH\_CLEAR\_VALUE: Int\n val DEPTH\_FUNC: Int\n val  
STENCIL\_CLEAR\_VALUE: Int\n val STENCIL\_FUNC: Int\n val STENCIL\_FAIL: Int\n val  
STENCIL\_PASS\_DEPTH\_FAIL: Int\n val STENCIL\_PASS\_DEPTH\_PASS: Int\n val STENCIL\_REF:  
Int\n val STENCIL\_VALUE\_MASK: Int\n val STENCIL\_WRITEMASK: Int\n val  
STENCIL\_BACK\_FUNC: Int\n val STENCIL\_BACK\_FAIL: Int\n val  
STENCIL\_BACK\_PASS\_DEPTH\_FAIL: Int\n val STENCIL\_BACK\_PASS\_DEPTH\_PASS: Int\n val  
STENCIL\_BACK\_REF: Int\n val STENCIL\_BACK\_VALUE\_MASK: Int\n val  
STENCIL\_BACK\_WRITEMASK: Int\n val VIEWPORT: Int\n val SCISSOR\_BOX: Int\n val  
COLOR\_CLEAR\_VALUE: Int\n val COLOR\_WRITEMASK: Int\n val UNPACK\_ALIGNMENT: Int\n  
val PACK\_ALIGNMENT: Int\n val MAX\_TEXTURE\_SIZE: Int\n val MAX\_VIEWPORT\_DIMS: Int\n  
val SUBPIXEL\_BITS: Int\n val RED\_BITS: Int\n val GREEN\_BITS: Int\n val BLUE\_BITS: Int\n  
val ALPHA\_BITS: Int\n val DEPTH\_BITS: Int\n val STENCIL\_BITS: Int\n val  
POLYGON\_OFFSET\_UNITS: Int\n val POLYGON\_OFFSET\_FACTOR: Int\n val  
TEXTURE\_BINDING\_2D: Int\n val SAMPLE\_BUFFERS: Int\n val SAMPLES: Int\n val  
SAMPLE\_COVERAGE\_VALUE: Int\n val SAMPLE\_COVERAGE\_INVERT: Int\n val  
COMPRESSED\_TEXTURE\_FORMATS: Int\n val DONT\_CARE: Int\n val FASTEST: Int\n val  
NICEST: Int\n val GENERATE\_MIPMAP\_HINT: Int\n val BYTE: Int\n val UNSIGNED\_BYTE:  
Int\n val SHORT: Int\n val UNSIGNED\_SHORT: Int\n val INT: Int\n val UNSIGNED\_INT: Int\n  
val FLOAT: Int\n val DEPTH\_COMPONENT: Int\n val ALPHA: Int\n val RGB: Int\n val  
RGBA: Int\n val LUMINANCE: Int\n val LUMINANCE\_ALPHA: Int\n val  
UNSIGNED\_SHORT\_4\_4\_4\_4: Int\n val UNSIGNED\_SHORT\_5\_5\_5\_1: Int\n val  
UNSIGNED\_SHORT\_5\_6\_5: Int\n val FRAGMENT\_SHADER: Int\n val VERTEX\_SHADER: Int\n  
val MAX\_VERTEX\_ATTRIBS: Int\n val MAX\_VERTEX\_UNIFORM\_VECTORS: Int\n val  
MAX\_VARYING\_VECTORS: Int\n val MAX\_COMBINED\_TEXTURE\_IMAGE\_UNITS: Int\n val  
MAX\_VERTEX\_TEXTURE\_IMAGE\_UNITS: Int\n val MAX\_TEXTURE\_IMAGE\_UNITS: Int\n val  
MAX\_FRAGMENT\_UNIFORM\_VECTORS: Int\n val SHADER\_TYPE: Int\n val DELETE\_STATUS:  
Int\n val LINK\_STATUS: Int\n val VALIDATE\_STATUS: Int\n val ATTACHED\_SHADERS: Int\n  
val ACTIVE\_UNIFORMS: Int\n val ACTIVE\_ATTRIBUTES: Int\n val

SHADING\_LANGUAGE\_VERSION: Int\n val CURRENT\_PROGRAM: Int\n val NEVER: Int\n val  
LESS: Int\n val EQUAL: Int\n val LEQUAL: Int\n val GREATER: Int\n val NOTEQUAL: Int\n  
val GEQUAL: Int\n val ALWAYS: Int\n val KEEP: Int\n val REPLACE: Int\n val INCR: Int\n  
val DECR: Int\n val INVERT: Int\n val INCR\_WRAP: Int\n val DECR\_WRAP: Int\n val  
VENDOR: Int\n val RENDERER: Int\n val VERSION: Int\n val NEAREST: Int\n val LINEAR:  
Int\n val NEAREST\_MIPMAP\_NEAREST: Int\n val LINEAR\_MIPMAP\_NEAREST: Int\n val  
NEAREST\_MIPMAP\_LINEAR: Int\n val LINEAR\_MIPMAP\_LINEAR: Int\n val  
TEXTURE\_MAG\_FILTER: Int\n val TEXTURE\_MIN\_FILTER: Int\n val TEXTURE\_WRAP\_S: Int\n  
val TEXTURE\_WRAP\_T: Int\n val TEXTURE\_2D: Int\n val TEXTURE: Int\n val  
TEXTURE\_CUBE\_MAP: Int\n val TEXTURE\_BINDING\_CUBE\_MAP: Int\n val  
TEXTURE\_CUBE\_MAP\_POSITIVE\_X: Int\n val TEXTURE\_CUBE\_MAP\_NEGATIVE\_X: Int\n val  
TEXTURE\_CUBE\_MAP\_POSITIVE\_Y: Int\n val TEXTURE\_CUBE\_MAP\_NEGATIVE\_Y: Int\n val  
TEXTURE\_CUBE\_MAP\_POSITIVE\_Z: Int\n val TEXTURE\_CUBE\_MAP\_NEGATIVE\_Z: Int\n val  
MAX\_CUBE\_MAP\_TEXTURE\_SIZE: Int\n val TEXTURE0: Int\n val TEXTURE1: Int\n val  
TEXTURE2: Int\n val TEXTURE3: Int\n val TEXTURE4: Int\n val TEXTURE5: Int\n val  
TEXTURE6: Int\n val TEXTURE7: Int\n val TEXTURE8: Int\n val TEXTURE9: Int\n val  
TEXTURE10: Int\n val TEXTURE11: Int\n val TEXTURE12: Int\n val TEXTURE13: Int\n val  
TEXTURE14: Int\n val TEXTURE15: Int\n val TEXTURE16: Int\n val TEXTURE17: Int\n val  
TEXTURE18: Int\n val TEXTURE19: Int\n val TEXTURE20: Int\n val TEXTURE21: Int\n val  
TEXTURE22: Int\n val TEXTURE23: Int\n val TEXTURE24: Int\n val TEXTURE25: Int\n val  
TEXTURE26: Int\n val TEXTURE27: Int\n val TEXTURE28: Int\n val TEXTURE29: Int\n val  
TEXTURE30: Int\n val TEXTURE31: Int\n val ACTIVE\_TEXTURE: Int\n val REPEAT: Int\n  
val CLAMP\_TO\_EDGE: Int\n val MIRRORED\_REPEAT: Int\n val FLOAT\_VEC2: Int\n val  
FLOAT\_VEC3: Int\n val FLOAT\_VEC4: Int\n val INT\_VEC2: Int\n val INT\_VEC3: Int\n val  
INT\_VEC4: Int\n val BOOL: Int\n val BOOL\_VEC2: Int\n val BOOL\_VEC3: Int\n val  
BOOL\_VEC4: Int\n val FLOAT\_MAT2: Int\n val FLOAT\_MAT3: Int\n val FLOAT\_MAT4: Int\n  
val SAMPLER\_2D: Int\n val SAMPLER\_CUBE: Int\n val VERTEX\_ATTRIB\_ARRAY\_ENABLED:  
Int\n val VERTEX\_ATTRIB\_ARRAY\_SIZE: Int\n val VERTEX\_ATTRIB\_ARRAY\_STRIDE: Int\n  
val VERTEX\_ATTRIB\_ARRAY\_TYPE: Int\n val VERTEX\_ATTRIB\_ARRAY\_NORMALIZED: Int\n  
val VERTEX\_ATTRIB\_ARRAY\_POINTER: Int\n val VERTEX\_ATTRIB\_ARRAY\_BUFFER\_BINDING:  
Int\n val IMPLEMENTATION\_COLOR\_READ\_TYPE: Int\n val  
IMPLEMENTATION\_COLOR\_READ\_FORMAT: Int\n val COMPILE\_STATUS: Int\n val  
LOW\_FLOAT: Int\n val MEDIUM\_FLOAT: Int\n val HIGH\_FLOAT: Int\n val LOW\_INT: Int\n  
val MEDIUM\_INT: Int\n val HIGH\_INT: Int\n val FRAMEBUFFER: Int\n val RENDERBUFFER:  
Int\n val RGBA4: Int\n val RGB5\_A1: Int\n val RGB565: Int\n val DEPTH\_COMPONENT16:  
Int\n val STENCIL\_INDEX: Int\n val STENCIL\_INDEX8: Int\n val DEPTH\_STENCIL: Int\n val  
RENDERBUFFER\_WIDTH: Int\n val RENDERBUFFER\_HEIGHT: Int\n val  
RENDERBUFFER\_INTERNAL\_FORMAT: Int\n val RENDERBUFFER\_RED\_SIZE: Int\n val  
RENDERBUFFER\_GREEN\_SIZE: Int\n val RENDERBUFFER\_BLUE\_SIZE: Int\n val  
RENDERBUFFER\_ALPHA\_SIZE: Int\n val RENDERBUFFER\_DEPTH\_SIZE: Int\n val  
RENDERBUFFER\_STENCIL\_SIZE: Int\n val FRAMEBUFFER\_ATTACHMENT\_OBJECT\_TYPE: Int\n  
val FRAMEBUFFER\_ATTACHMENT\_OBJECT\_NAME: Int\n val  
FRAMEBUFFER\_ATTACHMENT\_TEXTURE\_LEVEL: Int\n val  
FRAMEBUFFER\_ATTACHMENT\_TEXTURE\_CUBE\_MAP\_FACE: Int\n val COLOR\_ATTACHMENT0:  
Int\n val DEPTH\_ATTACHMENT: Int\n val STENCIL\_ATTACHMENT: Int\n val  
DEPTH\_STENCIL\_ATTACHMENT: Int\n val NONE: Int\n val FRAMEBUFFER\_COMPLETE: Int\n  
val FRAMEBUFFER\_INCOMPLETE\_ATTACHMENT: Int\n val  
FRAMEBUFFER\_INCOMPLETE\_MISSING\_ATTACHMENT: Int\n val

```

FRAMEBUFFER_INCOMPLETE_DIMENSIONS: Int\n    val FRAMEBUFFER_UNSUPPORTED: Int\n
val FRAMEBUFFER_BINDING: Int\n    val RENDERBUFFER_BINDING: Int\n    val
MAX_RENDERBUFFER_SIZE: Int\n    val INVALID_FRAMEBUFFER_OPERATION: Int\n    val
UNPACK_FLIP_Y_WEBGL: Int\n    val UNPACK_PREMULTIPLY_ALPHA_WEBGL: Int\n    val
CONTEXT_LOST_WEBGL: Int\n    val UNPACK_COLORSPACE_CONVERSION_WEBGL: Int\n    val
BROWSER_DEFAULT_WEBGL: Int\n    }}\n\n/**\n * Exposes the JavaScript
[WebGLRenderingContext](https://developer.mozilla.org/en/docs/Web/API/WebGLRenderingContext) to Kotlin\n
*\npublic external abstract class WebGLRenderingContext : WebGLRenderingContextBase, RenderingContext {\n
companion object {\n    val DEPTH_BUFFER_BIT: Int\n    val STENCIL_BUFFER_BIT: Int\n    val
COLOR_BUFFER_BIT: Int\n    val POINTS: Int\n    val LINES: Int\n    val LINE_LOOP: Int\n    val
LINE_STRIP: Int\n    val TRIANGLES: Int\n    val TRIANGLE_STRIP: Int\n    val TRIANGLE_FAN:
Int\n    val ZERO: Int\n    val ONE: Int\n    val SRC_COLOR: Int\n    val ONE_MINUS_SRC_COLOR:
Int\n    val SRC_ALPHA: Int\n    val ONE_MINUS_SRC_ALPHA: Int\n    val DST_ALPHA: Int\n    val
ONE_MINUS_DST_ALPHA: Int\n    val DST_COLOR: Int\n    val ONE_MINUS_DST_COLOR: Int\n
val SRC_ALPHA_SATURATE: Int\n    val FUNC_ADD: Int\n    val BLEND_EQUATION: Int\n    val
BLEND_EQUATION_RGB: Int\n    val BLEND_EQUATION_ALPHA: Int\n    val FUNC_SUBTRACT:
Int\n    val FUNC_REVERSE_SUBTRACT: Int\n    val BLEND_DST_RGB: Int\n    val
BLEND_SRC_RGB: Int\n    val BLEND_DST_ALPHA: Int\n    val BLEND_SRC_ALPHA: Int\n    val
CONSTANT_COLOR: Int\n    val ONE_MINUS_CONSTANT_COLOR: Int\n    val CONSTANT_ALPHA:
Int\n    val ONE_MINUS_CONSTANT_ALPHA: Int\n    val BLEND_COLOR: Int\n    val
ARRAY_BUFFER: Int\n    val ELEMENT_ARRAY_BUFFER: Int\n    val ARRAY_BUFFER_BINDING:
Int\n    val ELEMENT_ARRAY_BUFFER_BINDING: Int\n    val STREAM_DRAW: Int\n    val
STATIC_DRAW: Int\n    val DYNAMIC_DRAW: Int\n    val BUFFER_SIZE: Int\n    val
BUFFER_USAGE: Int\n    val CURRENT_VERTEX_ATTRIB: Int\n    val FRONT: Int\n    val BACK:
Int\n    val FRONT_AND_BACK: Int\n    val CULL_FACE: Int\n    val BLEND: Int\n    val DITHER:
Int\n    val STENCIL_TEST: Int\n    val DEPTH_TEST: Int\n    val SCISSOR_TEST: Int\n    val
POLYGON_OFFSET_FILL: Int\n    val SAMPLE_ALPHA_TO_COVERAGE: Int\n    val
SAMPLE_COVERAGE: Int\n    val NO_ERROR: Int\n    val INVALID_ENUM: Int\n    val
INVALID_VALUE: Int\n    val INVALID_OPERATION: Int\n    val OUT_OF_MEMORY: Int\n    val CW:
Int\n    val CCW: Int\n    val LINE_WIDTH: Int\n    val ALIASED_POINT_SIZE_RANGE: Int\n    val
ALIASED_LINE_WIDTH_RANGE: Int\n    val CULL_FACE_MODE: Int\n    val FRONT_FACE: Int\n
val DEPTH_RANGE: Int\n    val DEPTH_WRITEMASK: Int\n    val DEPTH_CLEAR_VALUE: Int\n    val
DEPTH_FUNC: Int\n    val STENCIL_CLEAR_VALUE: Int\n    val STENCIL_FUNC: Int\n    val
STENCIL_FAIL: Int\n    val STENCIL_PASS_DEPTH_FAIL: Int\n    val STENCIL_PASS_DEPTH_PASS:
Int\n    val STENCIL_REF: Int\n    val STENCIL_VALUE_MASK: Int\n    val STENCIL_WRITEMASK:
Int\n    val STENCIL_BACK_FUNC: Int\n    val STENCIL_BACK_FAIL: Int\n    val
STENCIL_BACK_PASS_DEPTH_FAIL: Int\n    val STENCIL_BACK_PASS_DEPTH_PASS: Int\n    val
STENCIL_BACK_REF: Int\n    val STENCIL_BACK_VALUE_MASK: Int\n    val
STENCIL_BACK_WRITEMASK: Int\n    val VIEWPORT: Int\n    val SCISSOR_BOX: Int\n    val
COLOR_CLEAR_VALUE: Int\n    val COLOR_WRITEMASK: Int\n    val UNPACK_ALIGNMENT: Int\n
val PACK_ALIGNMENT: Int\n    val MAX_TEXTURE_SIZE: Int\n    val MAX_VIEWPORT_DIMS: Int\n
val SUBPIXEL_BITS: Int\n    val RED_BITS: Int\n    val GREEN_BITS: Int\n    val BLUE_BITS: Int\n
val ALPHA_BITS: Int\n    val DEPTH_BITS: Int\n    val STENCIL_BITS: Int\n    val
POLYGON_OFFSET_UNITS: Int\n    val POLYGON_OFFSET_FACTOR: Int\n    val
TEXTURE_BINDING_2D: Int\n    val SAMPLE_BUFFERS: Int\n    val SAMPLES: Int\n    val
SAMPLE_COVERAGE_VALUE: Int\n    val SAMPLE_COVERAGE_INVERT: Int\n    val
COMPRESSED_TEXTURE_FORMATS: Int\n    val DONT_CARE: Int\n    val FASTEST: Int\n    val
NICEST: Int\n    val GENERATE_MIPMAP_HINT: Int\n    val BYTE: Int\n    val UNSIGNED_BYTE:

```

Int\n val SHORT: Int\n val UNSIGNED\_SHORT: Int\n val INT: Int\n val UNSIGNED\_INT: Int\n  
 val FLOAT: Int\n val DEPTH\_COMPONENT: Int\n val ALPHA: Int\n val RGB: Int\n val  
 RGBA: Int\n val LUMINANCE: Int\n val LUMINANCE\_ALPHA: Int\n val  
 UNSIGNED\_SHORT\_4\_4\_4\_4: Int\n val UNSIGNED\_SHORT\_5\_5\_5\_1: Int\n val  
 UNSIGNED\_SHORT\_5\_6\_5: Int\n val FRAGMENT\_SHADER: Int\n val VERTEX\_SHADER: Int\n  
 val MAX\_VERTEX\_ATTRIBS: Int\n val MAX\_VERTEX\_UNIFORM\_VECTORS: Int\n val  
 MAX\_VARYING\_VECTORS: Int\n val MAX\_COMBINED\_TEXTURE\_IMAGE\_UNITS: Int\n val  
 MAX\_VERTEX\_TEXTURE\_IMAGE\_UNITS: Int\n val MAX\_TEXTURE\_IMAGE\_UNITS: Int\n val  
 MAX\_FRAGMENT\_UNIFORM\_VECTORS: Int\n val SHADER\_TYPE: Int\n val DELETE\_STATUS:  
 Int\n val LINK\_STATUS: Int\n val VALIDATE\_STATUS: Int\n val ATTACHED\_SHADERS: Int\n  
 val ACTIVE\_UNIFORMS: Int\n val ACTIVE\_ATTRIBUTES: Int\n val  
 SHADING\_LANGUAGE\_VERSION: Int\n val CURRENT\_PROGRAM: Int\n val NEVER: Int\n val  
 LESS: Int\n val EQUAL: Int\n val LEQUAL: Int\n val GREATER: Int\n val NOTEQUAL: Int\n  
 val GEQUAL: Int\n val ALWAYS: Int\n val KEEP: Int\n val REPLACE: Int\n val INCR: Int\n  
 val DECR: Int\n val INVERT: Int\n val INCR\_WRAP: Int\n val DECR\_WRAP: Int\n val  
 VENDOR: Int\n val RENDERER: Int\n val VERSION: Int\n val NEAREST: Int\n val LINEAR:  
 Int\n val NEAREST\_MIPMAP\_NEAREST: Int\n val LINEAR\_MIPMAP\_NEAREST: Int\n val  
 NEAREST\_MIPMAP\_LINEAR: Int\n val LINEAR\_MIPMAP\_LINEAR: Int\n val  
 TEXTURE\_MAG\_FILTER: Int\n val TEXTURE\_MIN\_FILTER: Int\n val TEXTURE\_WRAP\_S: Int\n  
 val TEXTURE\_WRAP\_T: Int\n val TEXTURE\_2D: Int\n val TEXTURE: Int\n val  
 TEXTURE\_CUBE\_MAP: Int\n val TEXTURE\_BINDING\_CUBE\_MAP: Int\n val  
 TEXTURE\_CUBE\_MAP\_POSITIVE\_X: Int\n val TEXTURE\_CUBE\_MAP\_NEGATIVE\_X: Int\n val  
 TEXTURE\_CUBE\_MAP\_POSITIVE\_Y: Int\n val TEXTURE\_CUBE\_MAP\_NEGATIVE\_Y: Int\n val  
 TEXTURE\_CUBE\_MAP\_POSITIVE\_Z: Int\n val TEXTURE\_CUBE\_MAP\_NEGATIVE\_Z: Int\n val  
 MAX\_CUBE\_MAP\_TEXTURE\_SIZE: Int\n val TEXTURE0: Int\n val TEXTURE1: Int\n val  
 TEXTURE2: Int\n val TEXTURE3: Int\n val TEXTURE4: Int\n val TEXTURE5: Int\n val  
 TEXTURE6: Int\n val TEXTURE7: Int\n val TEXTURE8: Int\n val TEXTURE9: Int\n val  
 TEXTURE10: Int\n val TEXTURE11: Int\n val TEXTURE12: Int\n val TEXTURE13: Int\n val  
 TEXTURE14: Int\n val TEXTURE15: Int\n val TEXTURE16: Int\n val TEXTURE17: Int\n val  
 TEXTURE18: Int\n val TEXTURE19: Int\n val TEXTURE20: Int\n val TEXTURE21: Int\n val  
 TEXTURE22: Int\n val TEXTURE23: Int\n val TEXTURE24: Int\n val TEXTURE25: Int\n val  
 TEXTURE26: Int\n val TEXTURE27: Int\n val TEXTURE28: Int\n val TEXTURE29: Int\n val  
 TEXTURE30: Int\n val TEXTURE31: Int\n val ACTIVE\_TEXTURE: Int\n val REPEAT: Int\n  
 val CLAMP\_TO\_EDGE: Int\n val MIRRORED\_REPEAT: Int\n val FLOAT\_VEC2: Int\n val  
 FLOAT\_VEC3: Int\n val FLOAT\_VEC4: Int\n val INT\_VEC2: Int\n val INT\_VEC3: Int\n val  
 INT\_VEC4: Int\n val BOOL: Int\n val BOOL\_VEC2: Int\n val BOOL\_VEC3: Int\n val  
 BOOL\_VEC4: Int\n val FLOAT\_MAT2: Int\n val FLOAT\_MAT3: Int\n val FLOAT\_MAT4: Int\n  
 val SAMPLER\_2D: Int\n val SAMPLER\_CUBE: Int\n val VERTEX\_ATTRIB\_ARRAY\_ENABLED:  
 Int\n val VERTEX\_ATTRIB\_ARRAY\_SIZE: Int\n val VERTEX\_ATTRIB\_ARRAY\_STRIDE: Int\n  
 val VERTEX\_ATTRIB\_ARRAY\_TYPE: Int\n val VERTEX\_ATTRIB\_ARRAY\_NORMALIZED: Int\n  
 val VERTEX\_ATTRIB\_ARRAY\_POINTER: Int\n val VERTEX\_ATTRIB\_ARRAY\_BUFFER\_BINDING:  
 Int\n val IMPLEMENTATION\_COLOR\_READ\_TYPE: Int\n val  
 IMPLEMENTATION\_COLOR\_READ\_FORMAT: Int\n val COMPILE\_STATUS: Int\n val  
 LOW\_FLOAT: Int\n val MEDIUM\_FLOAT: Int\n val HIGH\_FLOAT: Int\n val LOW\_INT: Int\n  
 val MEDIUM\_INT: Int\n val HIGH\_INT: Int\n val FRAMEBUFFER: Int\n val RENDERBUFFER:  
 Int\n val RGBA4: Int\n val RGB5\_A1: Int\n val RGB565: Int\n val DEPTH\_COMPONENT16:  
 Int\n val STENCIL\_INDEX: Int\n val STENCIL\_INDEX8: Int\n val DEPTH\_STENCIL: Int\n val  
 RENDERBUFFER\_WIDTH: Int\n val RENDERBUFFER\_HEIGHT: Int\n val



```

constructor(array: Array<Byte>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length:
Int = definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n  override val byteOffset:
Int\n  override val byteLength: Int\n  fun set(array: Uint8Array, offset: Int = definedExternally)\n  fun set(array:
Array<Byte>, offset: Int = definedExternally)\n  fun subarray(start: Int, end: Int): Uint8Array\n\n  companion
object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun Uint8Array.get(index: Int):
Byte = asDynamic()[index]\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun Uint8Array.set(index: Int,
value: Byte) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Uint8ClampedArray](https://developer.mozilla.org/en/docs/Web/API/Uint8ClampedArray) to Kotlin\n */\npublic
external open class Uint8ClampedArray : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array:
Uint8ClampedArray)\n  constructor(array: Array<Byte>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int =
definedExternally, length: Int = definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n
override val byteOffset: Int\n  override val byteLength: Int\n  fun set(array: Uint8ClampedArray, offset: Int =
definedExternally)\n  fun set(array: Array<Byte>, offset: Int = definedExternally)\n  fun subarray(start: Int, end:
Int): Uint8ClampedArray\n\n  companion object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun
Uint8ClampedArray.get(index: Int): Byte = asDynamic()[index]\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun
Uint8ClampedArray.set(index: Int, value: Byte) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Int16Array](https://developer.mozilla.org/en/docs/Web/API/Int16Array) to Kotlin\n */\npublic external open class
Int16Array : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array: Int16Array)\n
constructor(array: Array<Short>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length:
Int = definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n  override val byteOffset:
Int\n  override val byteLength: Int\n  fun set(array: Int16Array, offset: Int = definedExternally)\n  fun set(array:
Array<Short>, offset: Int = definedExternally)\n  fun subarray(start: Int, end: Int): Int16Array\n\n  companion
object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun Int16Array.get(index: Int):
Short = asDynamic()[index]\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun Int16Array.set(index: Int,
value: Short) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Uint16Array](https://developer.mozilla.org/en/docs/Web/API/Uint16Array) to Kotlin\n */\npublic external open
class Uint16Array : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array: Uint16Array)\n
constructor(array: Array<Short>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length:
Int = definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n  override val byteOffset:
Int\n  override val byteLength: Int\n  fun set(array: Uint16Array, offset: Int = definedExternally)\n  fun set(array:
Array<Short>, offset: Int = definedExternally)\n  fun subarray(start: Int, end: Int): Uint16Array\n\n  companion
object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun Uint16Array.get(index: Int):
Short = asDynamic()[index]\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun Uint16Array.set(index: Int,
value: Short) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Int32Array](https://developer.mozilla.org/en/docs/Web/API/Int32Array) to Kotlin\n */\npublic external open class
Int32Array : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array: Int32Array)\n
constructor(array: Array<Int>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length: Int
= definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n  override val byteOffset: Int\n
override val byteLength: Int\n  fun set(array: Int32Array, offset: Int = definedExternally)\n  fun set(array:

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Array<Int>, offset: Int = definedExternally)\n fun subarray(start: Int, end: Int): Int32Array\n\n companion object
{\n val BYTES_PER_ELEMENT: Int\n }\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun Int32Array.get(index: Int): Int
= asDynamic()[index]\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun Int32Array.set(index: Int,
value: Int) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Uint32Array](https://developer.mozilla.org/en/docs/Web/API/Uint32Array) to Kotlin\n *\n\npublic external open
class Uint32Array : ArrayBufferView {\n constructor(length: Int)\n constructor(array: Uint32Array)\n
constructor(array: Array<Int>)\n constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length: Int
= definedExternally)\n open val length: Int\n override val buffer: ArrayBuffer\n override val byteOffset: Int\n
override val byteLength: Int\n fun set(array: Uint32Array, offset: Int = definedExternally)\n fun set(array:
Array<Int>, offset: Int = definedExternally)\n fun subarray(start: Int, end: Int): Uint32Array\n\n\n companion
object {\n val BYTES_PER_ELEMENT: Int\n }\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun Uint32Array.get(index: Int):
Int = asDynamic()[index]\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun Uint32Array.set(index: Int,
value: Int) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Float32Array](https://developer.mozilla.org/en/docs/Web/API/Float32Array) to Kotlin\n *\n\npublic external open
class Float32Array : ArrayBufferView {\n constructor(length: Int)\n constructor(array: Float32Array)\n
constructor(array: Array<Float>)\n constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length:
Int = definedExternally)\n open val length: Int\n override val buffer: ArrayBuffer\n override val byteOffset:
Int\n override val byteLength: Int\n fun set(array: Float32Array, offset: Int = definedExternally)\n fun
set(array: Array<Float>, offset: Int = definedExternally)\n fun subarray(start: Int, end: Int): Float32Array\n\n\n
companion object {\n val BYTES_PER_ELEMENT: Int\n }\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun Float32Array.get(index: Int):
Float = asDynamic()[index]\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun Float32Array.set(index: Int,
value: Float) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Float64Array](https://developer.mozilla.org/en/docs/Web/API/Float64Array) to Kotlin\n *\n\npublic external open
class Float64Array : ArrayBufferView {\n constructor(length: Int)\n constructor(array: Float64Array)\n
constructor(array: Array<Double>)\n constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length:
Int = definedExternally)\n open val length: Int\n override val buffer: ArrayBuffer\n override val byteOffset:
Int\n override val byteLength: Int\n fun set(array: Float64Array, offset: Int = definedExternally)\n fun
set(array: Array<Double>, offset: Int = definedExternally)\n fun subarray(start: Int, end: Int): Float64Array\n\n\n
companion object {\n val BYTES_PER_ELEMENT: Int\n }\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun Float64Array.get(index: Int):
Double = asDynamic()[index]\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun Float64Array.set(index: Int,
value: Double) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[DataView](https://developer.mozilla.org/en/docs/Web/API/DataView) to Kotlin\n *\n\npublic external open class
DataView(buffer: ArrayBuffer, byteOffset: Int = definedExternally, byteLength: Int = definedExternally) :
ArrayBufferView {\n override val buffer: ArrayBuffer\n override val byteOffset: Int\n override val
byteLength: Int\n fun getInt8(byteOffset: Int): Byte\n fun getUint8(byteOffset: Int): Byte\n fun
getInt16(byteOffset: Int, littleEndian: Boolean = definedExternally): Short\n fun getUint16(byteOffset: Int,
littleEndian: Boolean = definedExternally): Short\n fun getInt32(byteOffset: Int, littleEndian: Boolean =
definedExternally): Int\n fun getUint32(byteOffset: Int, littleEndian: Boolean = definedExternally): Int\n fun

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getFloat32(byteOffset: Int, littleEndian: Boolean = definedExternally): Float\n fun getFloat64(byteOffset: Int,
littleEndian: Boolean = definedExternally): Double\n fun setInt8(byteOffset: Int, value: Byte)\n fun
setUInt8(byteOffset: Int, value: Byte)\n fun setInt16(byteOffset: Int, value: Short, littleEndian: Boolean =
definedExternally)\n fun setUInt16(byteOffset: Int, value: Short, littleEndian: Boolean = definedExternally)\n
fun setInt32(byteOffset: Int, value: Int, littleEndian: Boolean = definedExternally)\n fun setUInt32(byteOffset: Int,
value: Int, littleEndian: Boolean = definedExternally)\n fun setFloat32(byteOffset: Int, value: Float, littleEndian:
Boolean = definedExternally)\n fun setFloat64(byteOffset: Int, value: Double, littleEndian: Boolean =
definedExternally)\n\n\npublic external interface BufferDataSource\n\n\npublic external interface
TexImageSource", "/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n *
Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT!\n// See github.com/kotlin/dukat for
details\n\npackage org.w3c.dom.clipboard\n\nimport kotlin.js.*\nimport org.khronos.webgl.*\nimport
org.w3c.dom.*\nimport org.w3c.dom.events.*\n\npublic external interface ClipboardEventInit : EventInit {\n var
clipboardData: DataTransfer? /* = null */\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun ClipboardEventInit(clipboardData:
DataTransfer? = null, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false):
ClipboardEventInit {\n val o = js("{}")\n o["clipboardData"] = clipboardData\n o["bubbles"] = bubbles\n
o["cancelable"] = cancelable\n o["composed"] = composed\n return o\n}\n\n/**\n * Exposes the JavaScript
[ClipboardEvent](https://developer.mozilla.org/en/docs/Web/API/ClipboardEvent) to Kotlin\n *\npublic external
open class ClipboardEvent(type: String, eventInitDict: ClipboardEventInit = definedExternally) : Event {\n open
val clipboardData: DataTransfer?\n\n companion object {\n val NONE: Short\n val
CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val BUBBLING_PHASE: Short\n
}\n}\n\n/**\n * Exposes the JavaScript [Clipboard](https://developer.mozilla.org/en/docs/Web/API/Clipboard) to
Kotlin\n *\npublic external abstract class Clipboard : EventTarget {\n fun read(): Promise<DataTransfer>\n fun
readText(): Promise<String>\n fun write(data: DataTransfer): Promise<Unit>\n fun writeText(data: String):
Promise<Unit>\n}\n\npublic external interface ClipboardPermissionDescriptor {\n var allowWithoutGesture:
Boolean? /* = false */\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun
ClipboardPermissionDescriptor(allowWithoutGesture: Boolean? = false): ClipboardPermissionDescriptor {\n val
o = js("{}")\n o["allowWithoutGesture"] = allowWithoutGesture\n return o\n}", "/*\n * Copyright 2010-
2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\n// NOTE: THIS FILE IS AUTO-
GENERATED, DO NOT EDIT!\n// See github.com/kotlin/dukat for details\n\npackage org.w3c.dom.css\n\nimport
kotlin.js.*\nimport org.khronos.webgl.*\nimport org.w3c.dom.*\n\npublic external abstract class MediaList :
ItemArrayLike<String> {\n open var mediaText: String\n fun appendMedium(medium: String)\n fun
deleteMedium(medium: String)\n override fun item(index: Int):
String?\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun MediaList.get(index: Int):
String? = asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[StyleSheet](https://developer.mozilla.org/en/docs/Web/API/StyleSheet) to Kotlin\n *\npublic external abstract
class StyleSheet {\n open val type: String\n open val href: String?\n open val ownerNode:
UnionElementOrProcessingInstruction?\n open val parentStyleSheet: StyleSheet?\n open val title: String?\n
open val media: MediaList\n open var disabled: Boolean\n}\n\n/**\n * Exposes the JavaScript
[CSSStyleSheet](https://developer.mozilla.org/en/docs/Web/API/CSSStyleSheet) to Kotlin\n *\npublic external
abstract class CSSStyleSheet : StyleSheet {\n open val ownerRule: CSSRule?\n open val cssRules:
CSSRuleList\n fun insertRule(rule: String, index: Int): Int\n fun deleteRule(index: Int)\n}\n\n/**\n * Exposes the

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JavaScript [StyleSheetList](https://developer.mozilla.org/en/docs/Web/API/StyleSheetList) to Kotlin\n *\/\npublic
external abstract class StyleSheetList : ItemArrayLike<StyleSheet> {\n  override fun item(index: Int):
StyleSheet?\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun StyleSheetList.get(index: Int):
StyleSheet? = asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[LinkStyle](https://developer.mozilla.org/en/docs/Web/API/LinkStyle) to Kotlin\n *\/\npublic external interface
LinkStyle {\n  val sheet: StyleSheet?\n  get() = definedExternally\n}\n\n/**\n * Exposes the JavaScript
[CSSRuleList](https://developer.mozilla.org/en/docs/Web/API/CSSRuleList) to Kotlin\n *\/\npublic external abstract
class CSSRuleList : ItemArrayLike<CSSRule> {\n  override fun item(index: Int):
CSSRule?\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun CSSRuleList.get(index: Int):
CSSRule? = asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[CSSRule](https://developer.mozilla.org/en/docs/Web/API/CSSRule) to Kotlin\n *\/\npublic external abstract class
CSSRule {\n  open val type: Short\n  open val cssText: String\n  open val parentRule: CSSRule?\n  open val
parentStyleSheet: CSSStyleSheet?\n\n  companion object {\n    val STYLE_RULE: Short\n    val
CHARSET_RULE: Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val
FONT_FACE_RULE: Short\n    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val
NAMESPACE_RULE: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[CSSStyleRule](https://developer.mozilla.org/en/docs/Web/API/CSSStyleRule) to Kotlin\n *\/\npublic external
abstract class CSSStyleRule : CSSRule {\n  open val selectorText: String\n  open val style:
CSSStyleDeclaration\n\n  companion object {\n    val STYLE_RULE: Short\n    val CHARSET_RULE:
Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val FONT_FACE_RULE: Short\n
    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val NAMESPACE_RULE: Short\n
  }\n}\n\npublic external abstract class CSSImportRule : CSSRule {\n  open val href: String\n  open val media:
MediaList\n  open val styleSheet: CSSStyleSheet\n\n  companion object {\n    val STYLE_RULE: Short\n
    val CHARSET_RULE: Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val
FONT_FACE_RULE: Short\n    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val
NAMESPACE_RULE: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[CSSGroupingRule](https://developer.mozilla.org/en/docs/Web/API/CSSGroupingRule) to Kotlin\n *\/\npublic
external abstract class CSSGroupingRule : CSSRule {\n  open val cssRules: CSSRuleList\n  fun insertRule(rule:
String, index: Int): Int\n  fun deleteRule(index: Int)\n\n  companion object {\n    val STYLE_RULE: Short\n
    val CHARSET_RULE: Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val
FONT_FACE_RULE: Short\n    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val
NAMESPACE_RULE: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[CSSMediaRule](https://developer.mozilla.org/en/docs/Web/API/CSSMediaRule) to Kotlin\n *\/\npublic external
abstract class CSSMediaRule : CSSGroupingRule {\n  open val media: MediaList\n\n  companion object {\n
    val STYLE_RULE: Short\n    val CHARSET_RULE: Short\n    val IMPORT_RULE: Short\n    val
MEDIA_RULE: Short\n    val FONT_FACE_RULE: Short\n    val PAGE_RULE: Short\n    val
MARGIN_RULE: Short\n    val NAMESPACE_RULE: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[CSSPageRule](https://developer.mozilla.org/en/docs/Web/API/CSSPageRule) to Kotlin\n *\/\npublic external
abstract class CSSPageRule : CSSGroupingRule {\n  open val selectorText: String\n  open val style:
CSSStyleDeclaration\n\n  companion object {\n    val STYLE_RULE: Short\n    val CHARSET_RULE:
Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val FONT_FACE_RULE: Short\n
    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val NAMESPACE_RULE: Short\n
  }\n}\n\npublic external abstract class CSSMarginRule : CSSRule {\n  open val name: String\n  open val style:
CSSStyleDeclaration\n\n  companion object {\n    val STYLE_RULE: Short\n    val CHARSET_RULE:
Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val FONT_FACE_RULE: Short\n
    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val NAMESPACE_RULE: Short\n
  }\n}

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}\\n}\\n/n/\*}\\n \* Exposes the JavaScript

[CSSNamespaceRule](https://developer.mozilla.org/en/docs/Web/API/CSSNamespaceRule) to Kotlin\\n \*/\\npublic external abstract class CSSNamespaceRule : CSSRule {\\n open val namespaceURI: String\\n open val prefix: String\\n\\n companion object {\\n val STYLE\_RULE: Short\\n val CHARSET\_RULE: Short\\n val IMPORT\_RULE: Short\\n val MEDIA\_RULE: Short\\n val FONT\_FACE\_RULE: Short\\n val PAGE\_RULE: Short\\n val MARGIN\_RULE: Short\\n val NAMESPACE\_RULE: Short\\n }\\n}\\n/n/\*}\\n \*

Exposes the JavaScript

[CSSStyleDeclaration](https://developer.mozilla.org/en/docs/Web/API/CSSStyleDeclaration) to Kotlin\\n \*/\\npublic external abstract class CSSStyleDeclaration : ItemArrayLike<String> {\\n open var cssText: String\\n open val parentRule: CSSRule?\\n open var cssFloat: String\\n open var alignContent: String\\n open var alignItems: String\\n open var alignSelf: String\\n open var animation: String\\n open var animationDelay: String\\n open var animationDirection: String\\n open var animationDuration: String\\n open var animationFillMode: String\\n open var animationIterationCount: String\\n open var animationName: String\\n open var animationPlayState: String\\n open var animationTimingFunction: String\\n open var backfaceVisibility: String\\n open var background: String\\n open var backgroundAttachment: String\\n open var backgroundClip: String\\n open var backgroundColor: String\\n open var backgroundImage: String\\n open var backgroundOrigin: String\\n open var backgroundPosition: String\\n open var backgroundRepeat: String\\n open var backgroundSize: String\\n open var border: String\\n open var borderBottom: String\\n open var borderBottomColor: String\\n open var borderBottomLeftRadius: String\\n open var borderBottomRightRadius: String\\n open var borderBottomStyle: String\\n open var borderBottomWidth: String\\n open var borderCollapse: String\\n open var borderColor: String\\n open var borderImage: String\\n open var borderImageOutset: String\\n open var borderImageRepeat: String\\n open var borderImageSlice: String\\n open var borderImageSource: String\\n open var borderImageWidth: String\\n open var borderLeft: String\\n open var borderLeftColor: String\\n open var borderLeftStyle: String\\n open var borderLeftWidth: String\\n open var borderRadius: String\\n open var borderRight: String\\n open var borderRightColor: String\\n open var borderRightStyle: String\\n open var borderRightWidth: String\\n open var borderSpacing: String\\n open var borderStyle: String\\n open var borderTop: String\\n open var borderTopColor: String\\n open var borderTopLeftRadius: String\\n open var borderTopRightRadius: String\\n open var borderTopStyle: String\\n open var borderTopWidth: String\\n open var borderWidth: String\\n open var bottom: String\\n open var boxDecorationBreak: String\\n open var boxShadow: String\\n open var boxSizing: String\\n open var breakAfter: String\\n open var breakBefore: String\\n open var breakInside: String\\n open var captionSide: String\\n open var clear: String\\n open var clip: String\\n open var color: String\\n open var columnCount: String\\n open var columnFill: String\\n open var columnGap: String\\n open var columnRule: String\\n open var columnRuleColor: String\\n open var columnRuleStyle: String\\n open var columnRuleWidth: String\\n open var columnSpan: String\\n open var columnWidth: String\\n open var columns: String\\n open var content: String\\n open var counterIncrement: String\\n open var counterReset: String\\n open var cursor: String\\n open var direction: String\\n open var display: String\\n open var emptyCells: String\\n open var filter: String\\n open var flex: String\\n open var flexBasis: String\\n open var flexDirection: String\\n open var flexFlow: String\\n open var flexGrow: String\\n open var flexShrink: String\\n open var flexWrap: String\\n open var font: String\\n open var fontFamily: String\\n open var fontFeatureSettings: String\\n open var fontKerning: String\\n open var fontLanguageOverride: String\\n open var fontSize: String\\n open var fontSizeAdjust: String\\n open var fontStretch: String\\n open var fontStyle: String\\n open var fontSynthesis: String\\n open var fontVariant: String\\n open var fontVariantAlternates: String\\n open var fontVariantCaps: String\\n open var fontVariantEastAsian: String\\n open var fontVariantLigatures: String\\n open var fontVariantNumeric: String\\n open var fontVariantPosition: String\\n open var fontWeight: String\\n open var hangingPunctuation: String\\n open var height: String\\n open var hyphens: String\\n open var imageOrientation: String\\n open var imageRendering: String\\n open var imageResolution: String\\n open var imeMode: String\\n open var justifyContent: String\\n open var left: String\\n open var letterSpacing: String\\n open var lineBreak: String\\n

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open var lineHeight: String\n open var listStyle: String\n open var listStyleImage: String\n open var
listStylePosition: String\n open var listStyleType: String\n open var margin: String\n open var marginBottom:
String\n open var marginLeft: String\n open var marginRight: String\n open var marginTop: String\n open
var mark: String\n open var markAfter: String\n open var markBefore: String\n open var marks: String\n
open var marqueeDirection: String\n open var marqueePlayCount: String\n open var marqueeSpeed: String\n
open var marqueeStyle: String\n open var mask: String\n open var maskType: String\n open var maxHeight:
String\n open var maxWidth: String\n open var minHeight: String\n open var minWidth: String\n open var
navDown: String\n open var navIndex: String\n open var navLeft: String\n open var navRight: String\n open
var navUp: String\n open var objectFit: String\n open var objectPosition: String\n open var opacity: String\n
open var order: String\n open var orphans: String\n open var outline: String\n open var outlineColor: String\n
open var outlineOffset: String\n open var outlineStyle: String\n open var outlineWidth: String\n open var
overflowWrap: String\n open var overflowX: String\n open var overflowY: String\n open var padding:
String\n open var paddingBottom: String\n open var paddingLeft: String\n open var paddingRight: String\n
open var paddingTop: String\n open var pageBreakAfter: String\n open var pageBreakBefore: String\n open
var pageBreakInside: String\n open var perspective: String\n open var perspectiveOrigin: String\n open var
phonemes: String\n open var position: String\n open var quotes: String\n open var resize: String\n open var
rest: String\n open var restAfter: String\n open var restBefore: String\n open var right: String\n open var
tabSize: String\n open var tableLayout: String\n open var textAlign: String\n open var textAlignLast: String\n
open var textCombineUpright: String\n open var textDecoration: String\n open var textDecorationColor:
String\n open var textDecorationLine: String\n open var textDecorationStyle: String\n open var textIndent:
String\n open var textJustify: String\n open var textOrientation: String\n open var textOverflow: String\n
open var textShadow: String\n open var textTransform: String\n open var textUnderlinePosition: String\n open
var top: String\n open var transform: String\n open var transformOrigin: String\n open var transformStyle:
String\n open var transition: String\n open var transitionDelay: String\n open var transitionDuration: String\n
open var transitionProperty: String\n open var transitionTimingFunction: String\n open var unicodeBidi:
String\n open var verticalAlign: String\n open var visibility: String\n open var voiceBalance: String\n open
var voiceDuration: String\n open var voicePitch: String\n open var voicePitchRange: String\n open var
voiceRate: String\n open var voiceStress: String\n open var voiceVolume: String\n open var whiteSpace:
String\n open var widows: String\n open var width: String\n open var wordBreak: String\n open var
wordSpacing: String\n open var wordWrap: String\n open var writingMode: String\n open var zIndex: String\n
open var _dashed_attribute: String\n open var _camel_cased_attribute: String\n open var
_webkit_cased_attribute: String\n fun getProperty(property: String): String\n fun
getPropertyPriority(property: String): String\n fun setProperty(property: String, value: String, priority: String =
definedExternally)\n fun setPropertyValue(property: String, value: String)\n fun setPropertyPriority(property:
String, priority: String)\n fun removeProperty(property: String): String\n override fun item(index: Int):
String\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun
CSSStyleDeclaration.get(index: Int): String? = asDynamic()[index]\n\npublic external interface
ElementCSSInlineStyle {\n val style: CSSStyleDeclaration\n}\n\n/**\n * Exposes the JavaScript
[CSS](https://developer.mozilla.org/en/docs/Web/API/CSS) to Kotlin\n */\n\npublic external abstract class CSS {\n
companion object {\n fun escape(ident: String): String\n }\n}\n\npublic external interface
UnionElementOrProcessingInstruction, "/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT!\n\n// See
github.com/kotlin/dukat for details\n\npackage org.w3c.dom.encryptedmedia\n\nimport kotlin.js.*\nimport
org.khronos.webgl.*\nimport org.w3c.dom.*\nimport org.w3c.dom.events.*\n\n/**\n * Exposes the JavaScript
[MediaKeySystemConfiguration](https://developer.mozilla.org/en/docs/Web/API/MediaKeySystemConfiguration)
to Kotlin\n */\n\npublic external interface MediaKeySystemConfiguration {\n var label: String? /* = \"\" */\n

```

```

get() = definedExternally\n    set(value) = definedExternally\n    var initDataTypes: Array<String>? /* = arrayOf()
*\n    get() = definedExternally\n    set(value) = definedExternally\n    var audioCapabilities:
Array<MediaKeySystemMediaCapability>? /* = arrayOf() *\n    get() = definedExternally\n    set(value) =
definedExternally\n    var videoCapabilities: Array<MediaKeySystemMediaCapability>? /* = arrayOf() *\n
get() = definedExternally\n    set(value) = definedExternally\n    var distinctiveIdentifier:
MediaKeysRequirement? /* = MediaKeysRequirement.OPTIONAL *\n    get() = definedExternally\n
set(value) = definedExternally\n    var persistentState: MediaKeysRequirement? /* =
MediaKeysRequirement.OPTIONAL *\n    get() = definedExternally\n    set(value) = definedExternally\n
var sessionTypes: Array<String>?\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun MediaKeySystemConfiguration(label:
String? = \"\", initDataTypes: Array<String>? = arrayOf(), audioCapabilities:
Array<MediaKeySystemMediaCapability>? = arrayOf(), videoCapabilities:
Array<MediaKeySystemMediaCapability>? = arrayOf(), distinctiveIdentifier: MediaKeysRequirement? =
MediaKeysRequirement.OPTIONAL, persistentState: MediaKeysRequirement? =
MediaKeysRequirement.OPTIONAL, sessionTypes: Array<String>? = undefined): MediaKeySystemConfiguration
{\n    val o = js(\"({})\")\n    o[\"label\"] = label\n    o[\"initDataTypes\"] = initDataTypes\n
o[\"audioCapabilities\"] = audioCapabilities\n    o[\"videoCapabilities\"] = videoCapabilities\n
o[\"distinctiveIdentifier\"] = distinctiveIdentifier\n    o[\"persistentState\"] = persistentState\n    o[\"sessionTypes\"]
= sessionTypes\n    return o\n}\n\npublic external interface MediaKeySystemMediaCapability {\n    var
contentType: String? /* = \"\" *\n    get() = definedExternally\n    set(value) = definedExternally\n    var
robustness: String? /* = \"\" *\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun
MediaKeySystemMediaCapability(contentType: String? = \"\", robustness: String? = \"\"):
MediaKeySystemMediaCapability {\n    val o = js(\"({})\")\n    o[\"contentType\"] = contentType\n
o[\"robustness\"] = robustness\n    return o\n}\n\n/**\n * Exposes the JavaScript
[MediaKeySystemAccess](https://developer.mozilla.org/en/docs/Web/API/MediaKeySystemAccess) to Kotlin\n
*\npublic external abstract class MediaKeySystemAccess {\n    open val keySystem: String\n    fun
getConfiguration(): MediaKeySystemConfiguration\n    fun createMediaKeys(): Promise<MediaKeys>\n}\n\n/**\n
* Exposes the JavaScript [MediaKeys](https://developer.mozilla.org/en/docs/Web/API/MediaKeys) to Kotlin\n
*\npublic external abstract class MediaKeys {\n    fun createSession(sessionType: MediaKeySessionType =
definedExternally): MediaKeySession\n    fun setServerCertificate(serverCertificate: dynamic):
Promise<Boolean>\n}\n\n/**\n * Exposes the JavaScript
[MediaKeySession](https://developer.mozilla.org/en/docs/Web/API/MediaKeySession) to Kotlin\n
*\npublic external abstract class MediaKeySession : EventTarget {\n    open val sessionId: String\n    open val expiration:
Double\n    open val closed: Promise<Unit>\n    open val keyStatuses: MediaKeyStatusMap\n    open var
onkeystatuschange: ((Event) -> dynamic)?\n    open var onmessage: ((MessageEvent) -> dynamic)?\n    fun
generateRequest(initDataType: String, initData: dynamic): Promise<Unit>\n    fun load(sessionId: String):
Promise<Boolean>\n    fun update(response: dynamic): Promise<Unit>\n    fun close(): Promise<Unit>\n    fun
remove(): Promise<Unit>\n}\n\n/**\n * Exposes the JavaScript
[MediaKeyStatusMap](https://developer.mozilla.org/en/docs/Web/API/MediaKeyStatusMap) to Kotlin\n
*\npublic external abstract class MediaKeyStatusMap {\n    open val size: Int\n    fun has(keyId: dynamic): Boolean\n    fun
get(keyId: dynamic): Any?\n}\n\n/**\n * Exposes the JavaScript
[MediaKeyMessageEvent](https://developer.mozilla.org/en/docs/Web/API/MediaKeyMessageEvent) to Kotlin\n
*\npublic external open class MediaKeyMessageEvent(type: String, eventInitDict: MediaKeyMessageEventInit) :
Event {\n    open val messageType: MediaKeyMessageType\n    open val message: ArrayBuffer\n\n    companion
object {\n        val NONE: Short\n        val CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val

```



```

error\`.asDynamic().unsafeCast<MediaKeyStatus>()\n\n/* please, don't implement this interface!
*\n@jsName("\null")\n@Suppress("\NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external
interface MediaKeyMessageType {\n    companion object\n}\n\npublic inline val
MediaKeyMessageType.Companion.LICENSE_REQUEST: MediaKeyMessageType get() = `license-
request\`.asDynamic().unsafeCast<MediaKeyMessageType>()\n\npublic inline val
MediaKeyMessageType.Companion.LICENSE_RENEWAL: MediaKeyMessageType get() = `license-
renewal\`.asDynamic().unsafeCast<MediaKeyMessageType>()\n\npublic inline val
MediaKeyMessageType.Companion.LICENSE_RELEASE: MediaKeyMessageType get() = `license-
release\`.asDynamic().unsafeCast<MediaKeyMessageType>()\n\npublic inline val
MediaKeyMessageType.Companion.INDIVIDUALIZATION_REQUEST: MediaKeyMessageType get() =
`individualization-request\`.asDynamic().unsafeCast<MediaKeyMessageType>()", /*\n * Copyright 2010-2021
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\n// NOTE: THIS FILE IS AUTO-
GENERATED, DO NOT EDIT!\n\n// See github.com/kotlin/dukat for details\n\npackage
org.w3c.dom.events\n\nimport kotlin.js.*\nimport org.khronos.webgl.*\nimport org.w3c.dom.*\n\n/**\n * Exposes
the JavaScript [UIEvent](https://developer.mozilla.org/en/docs/Web/API/UIEvent) to Kotlin\n *\n\npublic external
open class UIEvent(type: String, eventInitDict: UIEventInit = definedExternally) : Event {\n    open val view:
Window?\n    open val detail: Int?\n    companion object {\n        val NONE: Short\n        val
CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val BUBBLING_PHASE: Short\n
    }\n}\n\npublic external interface UIEventInit : EventInit {\n    var view: Window? /* = null *\n    get() =
definedExternally\n    set(value) = definedExternally\n    var detail: Int? /* = 0 *\n    get() =
definedExternally\n    set(value) = definedExternally\n}\n}\n\n@Suppress("\INVISIBLE_REFERENCE",
"\INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun UIEventInit(view: Window? = null,
detail: Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): UIEventInit
{\n    val o = js("{}")\n    o["view"] = view\n    o["detail"] = detail\n    o["bubbles"] = bubbles\n
    o["cancelable"] = cancelable\n    o["composed"] = composed\n    return o\n}\n\n/**\n * Exposes the JavaScript
[FocusEvent](https://developer.mozilla.org/en/docs/Web/API/FocusEvent) to Kotlin\n *\n\npublic external open class
FocusEvent(type: String, eventInitDict: FocusEventInit = definedExternally) : UIEvent {\n    open val relatedTarget:
EventTarget?\n\n    companion object {\n        val NONE: Short\n        val CAPTURING_PHASE: Short\n        val
AT_TARGET: Short\n        val BUBBLING_PHASE: Short\n    }\n}\n\npublic external interface FocusEventInit :
UIEventInit {\n    var relatedTarget: EventTarget? /* = null *\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n}\n\n@Suppress("\INVISIBLE_REFERENCE",
"\INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun FocusEventInit(relatedTarget:
EventTarget? = null, view: Window? = null, detail: Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? =
false, composed: Boolean? = false): FocusEventInit {\n    val o = js("{}")\n    o["relatedTarget"] =
relatedTarget\n    o["view"] = view\n    o["detail"] = detail\n    o["bubbles"] = bubbles\n    o["cancelable"] =
cancelable\n    o["composed"] = composed\n    return o\n}\n\n/**\n * Exposes the JavaScript
[MouseEvent](https://developer.mozilla.org/en/docs/Web/API/MouseEvent) to Kotlin\n *\n\npublic external open
class MouseEvent(type: String, eventInitDict: MouseEventInit = definedExternally) : UIEvent,
UnionElementOrMouseEvent {\n    open val screenX: Int\n    open val screenY: Int\n    open val clientX: Int\n
    open val clientY: Int\n    open val ctrlKey: Boolean\n    open val shiftKey: Boolean\n    open val altKey: Boolean\n
    open val metaKey: Boolean\n    open val button: Short\n    open val buttons: Short\n    open val relatedTarget:
EventTarget?\n    open val region: String?\n    open val pageX: Double\n    open val pageY: Double\n    open val x:
Double\n    open val y: Double\n    open val offsetX: Double\n    open val offsetY: Double\n    fun
getModifierState(keyArg: String): Boolean\n\n    companion object {\n        val NONE: Short\n        val
CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val BUBBLING_PHASE: Short\n
    }\n}\n\npublic external interface MouseEventInit : EventModifierInit {\n    var screenX: Int? /* = 0 *\n    get() =
definedExternally\n    set(value) = definedExternally\n    var screenY: Int? /* = 0 *\n    get() =

```

```

definedExternally\n    set(value) = definedExternally\n    var clientX: Int? /* = 0 */\n    get() =
definedExternally\n    set(value) = definedExternally\n    var clientY: Int? /* = 0 */\n    get() =
definedExternally\n    set(value) = definedExternally\n    var button: Short? /* = 0 */\n    get() =
definedExternally\n    set(value) = definedExternally\n    var buttons: Short? /* = 0 */\n    get() =
definedExternally\n    set(value) = definedExternally\n    var relatedTarget: EventTarget? /* = null */\n    get()
= definedExternally\n    set(value) = definedExternally\n    var region: String? /* = null */\n    get() =
definedExternally\n    set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun MouseEventInit(screenX: Int? = 0,
screenY: Int? = 0, clientX: Int? = 0, clientY: Int? = 0, button: Short? = 0, buttons: Short? = 0, relatedTarget:
EventTarget? = null, region: String? = null, ctrlKey: Boolean? = false, shiftKey: Boolean? = false, altKey: Boolean?
= false, metaKey: Boolean? = false, modifierAltGraph: Boolean? = false, modifierCapsLock: Boolean? = false,
modifierFn: Boolean? = false, modifierFnLock: Boolean? = false, modifierHyper: Boolean? = false,
modifierNumLock: Boolean? = false, modifierScrollLock: Boolean? = false, modifierSuper: Boolean? = false,
modifierSymbol: Boolean? = false, modifierSymbolLock: Boolean? = false, view: Window? = null, detail: Int? = 0,
bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): MouseEventInit {\n    val o =
js(\"({})\")\n    o[\"screenX\"] = screenX\n    o[\"screenY\"] = screenY\n    o[\"clientX\"] = clientX\n    o[\"clientY\"]
= clientY\n    o[\"button\"] = button\n    o[\"buttons\"] = buttons\n    o[\"relatedTarget\"] = relatedTarget\n
o[\"region\"] = region\n    o[\"ctrlKey\"] = ctrlKey\n    o[\"shiftKey\"] = shiftKey\n    o[\"altKey\"] = altKey\n
o[\"metaKey\"] = metaKey\n    o[\"modifierAltGraph\"] = modifierAltGraph\n    o[\"modifierCapsLock\"] =
modifierCapsLock\n    o[\"modifierFn\"] = modifierFn\n    o[\"modifierFnLock\"] = modifierFnLock\n
o[\"modifierHyper\"] = modifierHyper\n    o[\"modifierNumLock\"] = modifierNumLock\n
o[\"modifierScrollLock\"] = modifierScrollLock\n    o[\"modifierSuper\"] = modifierSuper\n
o[\"modifierSymbol\"] = modifierSymbol\n    o[\"modifierSymbolLock\"] = modifierSymbolLock\n    o[\"view\"] =
view\n    o[\"detail\"] = detail\n    o[\"bubbles\"] = bubbles\n    o[\"cancelable\"] = cancelable\n    o[\"composed\"] =
composed\n    return o\n}\n\npublic external interface EventModifierInit : UIEventInit {\n    var ctrlKey: Boolean?
/* = false */\n    get() = definedExternally\n    set(value) = definedExternally\n    var shiftKey: Boolean? /* =
false */\n    get() = definedExternally\n    set(value) = definedExternally\n    var altKey: Boolean? /* = false
*/\n    get() = definedExternally\n    set(value) = definedExternally\n    var metaKey: Boolean? /* = false */\n
get() = definedExternally\n    set(value) = definedExternally\n    var modifierAltGraph: Boolean? /* = false */\n
get() = definedExternally\n    set(value) = definedExternally\n    var modifierCapsLock: Boolean? /* = false
*/\n    get() = definedExternally\n    set(value) = definedExternally\n    var modifierFn: Boolean? /* = false */\n
get() = definedExternally\n    set(value) = definedExternally\n    var modifierFnLock: Boolean? /* = false */\n
get() = definedExternally\n    set(value) = definedExternally\n    var modifierHyper: Boolean? /* = false */\n
get() = definedExternally\n    set(value) = definedExternally\n    var modifierNumLock: Boolean? /* = false */\n
get() = definedExternally\n    set(value) = definedExternally\n    var modifierScrollLock: Boolean? /* = false
*/\n    get() = definedExternally\n    set(value) = definedExternally\n    var modifierSuper: Boolean? /* = false
*/\n    get() = definedExternally\n    set(value) = definedExternally\n    var modifierSymbol: Boolean? /* = false
*/\n    get() = definedExternally\n    set(value) = definedExternally\n    var modifierSymbolLock: Boolean? /* =
false */\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun EventModifierInit(ctrlKey: Boolean? =
false, shiftKey: Boolean? = false, altKey: Boolean? = false, metaKey: Boolean? = false, modifierAltGraph:
Boolean? = false, modifierCapsLock: Boolean? = false, modifierFn: Boolean? = false, modifierFnLock: Boolean? =
false, modifierHyper: Boolean? = false, modifierNumLock: Boolean? = false, modifierScrollLock: Boolean? = false,
modifierSuper: Boolean? = false, modifierSymbol: Boolean? = false, modifierSymbolLock: Boolean? = false, view:
Window? = null, detail: Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): EventModifierInit {\n    val o = js(\"({})\")\n    o[\"ctrlKey\"] = ctrlKey\n    o[\"shiftKey\"] = shiftKey\n
o[\"altKey\"] = altKey\n    o[\"metaKey\"] = metaKey\n    o[\"modifierAltGraph\"] = modifierAltGraph\n

```

```

o["modifierCapsLock"] = modifierCapsLock\n o["modifierFn"] = modifierFn\n o["modifierFnLock"] =
modifierFnLock\n o["modifierHyper"] = modifierHyper\n o["modifierNumLock"] = modifierNumLock\n
o["modifierScrollLock"] = modifierScrollLock\n o["modifierSuper"] = modifierSuper\n
o["modifierSymbol"] = modifierSymbol\n o["modifierSymbolLock"] = modifierSymbolLock\n o["view"] =
view\n o["detail"] = detail\n o["bubbles"] = bubbles\n o["cancelable"] = cancelable\n o["composed"] =
composed\n return o\n}\n\n/**\n * Exposes the JavaScript
[WheelEvent](https://developer.mozilla.org/en/docs/Web/API/WheelEvent) to Kotlin\n */\npublic external open
class WheelEvent(type: String, eventInitDict: WheelEventInit = definedExternally) : MouseEvent {\n open val
deltaX: Double\n open val deltaY: Double\n open val deltaZ: Double\n open val deltaMode: Int\n\n
companion object {\n val DOM_DELTA_PIXEL: Int\n val DOM_DELTA_LINE: Int\n val
DOM_DELTA_PAGE: Int\n val NONE: Short\n val CAPTURING_PHASE: Short\n val
AT_TARGET: Short\n val BUBBLING_PHASE: Short\n }\n}\n\npublic external interface WheelEventInit :
MouseEventInit {\n var deltaX: Double? /* = 0.0 */\n get() = definedExternally\n set(value) =
definedExternally\n var deltaY: Double? /* = 0.0 */\n get() = definedExternally\n set(value) =
definedExternally\n var deltaZ: Double? /* = 0.0 */\n get() = definedExternally\n set(value) =
definedExternally\n var deltaMode: Int? /* = 0 */\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun WheelEventInit(deltaX: Double? = 0.0,
deltaY: Double? = 0.0, deltaZ: Double? = 0.0, deltaMode: Int? = 0, screenX: Int? = 0, screenY: Int? = 0, clientX:
Int? = 0, clientY: Int? = 0, button: Short? = 0, buttons: Short? = 0, relatedTarget: EventTarget? = null, region:
String? = null, ctrlKey: Boolean? = false, shiftKey: Boolean? = false, altKey: Boolean? = false, metaKey: Boolean?
= false, modifierAltGraph: Boolean? = false, modifierCapsLock: Boolean? = false, modifierFn: Boolean? = false,
modifierFnLock: Boolean? = false, modifierHyper: Boolean? = false, modifierNumLock: Boolean? = false,
modifierScrollLock: Boolean? = false, modifierSuper: Boolean? = false, modifierSymbol: Boolean? = false,
modifierSymbolLock: Boolean? = false, view: Window? = null, detail: Int? = 0, bubbles: Boolean? = false,
cancelable: Boolean? = false, composed: Boolean? = false): WheelEventInit {\n val o = js("{}")\n
o["deltaX"] = deltaX\n o["deltaY"] = deltaY\n o["deltaZ"] = deltaZ\n o["deltaMode"] = deltaMode\n
o["screenX"] = screenX\n o["screenY"] = screenY\n o["clientX"] = clientX\n o["clientY"] = clientY\n
o["button"] = button\n o["buttons"] = buttons\n o["relatedTarget"] = relatedTarget\n o["region"] =
region\n o["ctrlKey"] = ctrlKey\n o["shiftKey"] = shiftKey\n o["altKey"] = altKey\n o["metaKey"] =
metaKey\n o["modifierAltGraph"] = modifierAltGraph\n o["modifierCapsLock"] = modifierCapsLock\n
o["modifierFn"] = modifierFn\n o["modifierFnLock"] = modifierFnLock\n o["modifierHyper"] =
modifierHyper\n o["modifierNumLock"] = modifierNumLock\n o["modifierScrollLock"] =
modifierScrollLock\n o["modifierSuper"] = modifierSuper\n o["modifierSymbol"] = modifierSymbol\n
o["modifierSymbolLock"] = modifierSymbolLock\n o["view"] = view\n o["detail"] = detail\n
o["bubbles"] = bubbles\n o["cancelable"] = cancelable\n o["composed"] = composed\n return
o\n}\n\n/**\n * Exposes the JavaScript [InputEvent](https://developer.mozilla.org/en/docs/Web/API/InputEvent) to
Kotlin\n */\npublic external open class InputEvent(type: String, eventInitDict: InputEventInit = definedExternally) :
UIEvent {\n open val data: String\n open val isComposing: Boolean\n\n
companion object {\n val NONE: Short\n val CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val BUBBLING_PHASE:
Short\n }\n}\n\npublic external interface InputEventInit : UIEventInit {\n var data: String? /* = "" */\n
get() = definedExternally\n set(value) = definedExternally\n var isComposing: Boolean? /* = false */\n
get() = definedExternally\n set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun InputEventInit(data: String? = "",
isComposing: Boolean? = false, view: Window? = null, detail: Int? = 0, bubbles: Boolean? = false, cancelable:
Boolean? = false, composed: Boolean? = false): InputEventInit {\n val o = js("{}")\n
o["data"] = data\n o["isComposing"] = isComposing\n o["view"] = view\n o["detail"] = detail\n
o["bubbles"] = bubbles\n o["cancelable"] = cancelable\n o["composed"] = composed\n return o\n}\n\n/**\n * Exposes the JavaScript

```

```

[KeyboardEvent](https://developer.mozilla.org/en/docs/Web/API/KeyboardEvent) to Kotlin\n *^\\npublic external
open class KeyboardEvent(type: String, eventInitDict: KeyboardEventInit = definedExternally) : UIEvent {\n
open val key: String\n open val code: String\n open val location: Int\n open val ctrlKey: Boolean\n open val
shiftKey: Boolean\n open val altKey: Boolean\n open val metaKey: Boolean\n open val repeat: Boolean\n
open val isComposing: Boolean\n open val charCode: Int\n open val keyCode: Int\n open val which: Int\n
fun getModifierState(keyArg: String): Boolean\n\n companion object {\n val
DOM_KEY_LOCATION_STANDARD: Int\n val DOM_KEY_LOCATION_LEFT: Int\n val
DOM_KEY_LOCATION_RIGHT: Int\n val DOM_KEY_LOCATION_NUMPAD: Int\n val NONE:
Short\n val CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val BUBBLING_PHASE:
Short\n }\n}\n\npublic external interface KeyboardEventInit : EventModifierInit {\n var key: String? /* = \"\"
*^\\n get() = definedExternally\n set(value) = definedExternally\n var code: String? /* = \"\" *^\\n get()
= definedExternally\n set(value) = definedExternally\n var location: Int? /* = 0 *^\\n get() =
definedExternally\n set(value) = definedExternally\n var repeat: Boolean? /* = false *^\\n get() =
definedExternally\n set(value) = definedExternally\n var isComposing: Boolean? /* = false *^\\n get() =
definedExternally\n set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun KeyboardEventInit(key: String? = \"\",
code: String? = \"\", location: Int? = 0, repeat: Boolean? = false, isComposing: Boolean? = false, ctrlKey: Boolean?
= false, shiftKey: Boolean? = false, altKey: Boolean? = false, metaKey: Boolean? = false, modifierAltGraph:
Boolean? = false, modifierCapsLock: Boolean? = false, modifierFn: Boolean? = false, modifierFnLock: Boolean? =
false, modifierHyper: Boolean? = false, modifierNumLock: Boolean? = false, modifierScrollLock: Boolean? = false,
modifierSuper: Boolean? = false, modifierSymbol: Boolean? = false, modifierSymbolLock: Boolean? = false, view:
Window? = null, detail: Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): KeyboardEventInit {\n val o = js(\"({})\")\n o[\"key\"] = key\n o[\"code\"] = code\n o[\"location\"] =
location\n o[\"repeat\"] = repeat\n o[\"isComposing\"] = isComposing\n o[\"ctrlKey\"] = ctrlKey\n
o[\"shiftKey\"] = shiftKey\n o[\"altKey\"] = altKey\n o[\"metaKey\"] = metaKey\n o[\"modifierAltGraph\"] =
modifierAltGraph\n o[\"modifierCapsLock\"] = modifierCapsLock\n o[\"modifierFn\"] = modifierFn\n
o[\"modifierFnLock\"] = modifierFnLock\n o[\"modifierHyper\"] = modifierHyper\n o[\"modifierNumLock\"] =
modifierNumLock\n o[\"modifierScrollLock\"] = modifierScrollLock\n o[\"modifierSuper\"] = modifierSuper\n
o[\"modifierSymbol\"] = modifierSymbol\n o[\"modifierSymbolLock\"] = modifierSymbolLock\n o[\"view\"] =
view\n o[\"detail\"] = detail\n o[\"bubbles\"] = bubbles\n o[\"cancelable\"] = cancelable\n o[\"composed\"] =
composed\n return o\n}\n\n/**\n * Exposes the JavaScript
[CompositionEvent](https://developer.mozilla.org/en/docs/Web/API/CompositionEvent) to Kotlin\n *^\\npublic
external open class CompositionEvent(type: String, eventInitDict: CompositionEventInit = definedExternally) :
UIEvent {\n open val data: String\n\n companion object {\n val NONE: Short\n val
CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val BUBBLING_PHASE: Short\n
}\n}\n\npublic external interface CompositionEventInit : UIEventInit {\n var data: String? /* = \"\" *^\\n get() =
definedExternally\n set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun CompositionEventInit(data: String? =
\"\", view: Window? = null, detail: Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed:
Boolean? = false): CompositionEventInit {\n val o = js(\"({})\")\n o[\"data\"] = data\n o[\"view\"] = view\n
o[\"detail\"] = detail\n o[\"bubbles\"] = bubbles\n o[\"cancelable\"] = cancelable\n o[\"composed\"] =
composed\n return o\n}\n\n/**\n * Exposes the JavaScript
[Event](https://developer.mozilla.org/en/docs/Web/API/Event) to Kotlin\n *^\\npublic external open class
Event(type: String, eventInitDict: EventInit = definedExternally) {\n open val type: String\n open val target:
EventTarget?\n open val currentTarget: EventTarget?\n open val eventPhase: Short\n open val bubbles:
Boolean\n open val cancelable: Boolean\n open val defaultPrevented: Boolean\n open val composed:
Boolean\n open val isTrusted: Boolean\n open val timeStamp: Number\n fun composedPath():
Array<EventTarget>\n fun stopPropagation()\n fun stopImmediatePropagation()\n fun preventDefault()\n

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fun initEvent(type: String, bubbles: Boolean, cancelable: Boolean)\n\n companion object {\n    val NONE:
Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE:
Short\n } }\n\n**\n * Exposes the JavaScript
[EventTarget](https://developer.mozilla.org/en/docs/Web/API/EventTarget) to Kotlin\n *\npublic external abstract
class EventTarget {\n    fun addEventListener(type: String, callback: EventListener?, options: dynamic =
definedExternally)\n    fun addEventListener(type: String, callback: ((Event) -> Unit)?, options: dynamic =
definedExternally)\n    fun removeEventListener(type: String, callback: EventListener?, options: dynamic =
definedExternally)\n    fun removeEventListener(type: String, callback: ((Event) -> Unit)?, options: dynamic =
definedExternally)\n    fun dispatchEvent(event: Event): Boolean\n }\n\n**\n * Exposes the JavaScript
[EventListener](https://developer.mozilla.org/en/docs/Web/API/EventListener) to Kotlin\n *\npublic external
interface EventListener {\n    fun handleEvent(event: Event)\n }\n\n**\n * Copyright 2010-2021 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n *\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT
EDIT!\n\n// See github.com/kotlin/dukat for details\n\npackage org.w3c.dom\n\nimport kotlin.js.*\nimport
org.khronos.webgl.*\nimport org.w3c.dom.clipboard.*\nimport org.w3c.dom.css.*\nimport
org.w3c.dom.encryptedmedia.*\nimport org.w3c.dom.events.*\nimport org.w3c.dom.mediacapture.*\nimport
org.w3c.dom.mediasource.*\nimport org.w3c.dom.pointerevents.*\nimport org.w3c.dom.svg.*\nimport
org.w3c.fetch.*\nimport org.w3c.files.*\nimport org.w3c.performance.*\nimport org.w3c.workers.*\nimport
org.w3c.xhr.*\n\npublic external abstract class HTMLAllCollection {\n    open val length: Int\n    fun
item(nameOrIndex: String = definedExternally): UnionElementOrHTMLCollection?\n    fun namedItem(name:
String): UnionElementOrHTMLCollection?\n }\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun
HTMLAllCollection.get(index: Int): Element? =
asDynamic()[index]\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun
HTMLAllCollection.get(name: String): UnionElementOrHTMLCollection? = asDynamic()[name]\n\n**\n *
Exposes the JavaScript
[HTMLFormControlsCollection](https://developer.mozilla.org/en/docs/Web/API/HTMLFormControlsCollection)
to Kotlin\n *\npublic external abstract class HTMLFormControlsCollection : HTMLCollection\n\n**\n * Exposes
the JavaScript [RadioNodeList](https://developer.mozilla.org/en/docs/Web/API/RadioNodeList) to Kotlin\n
*\npublic external abstract class RadioNodeList : NodeList, UnionElementOrRadioNodeList {\n    open var value:
String\n }\n\n**\n * Exposes the JavaScript
[HTMLOptionsCollection](https://developer.mozilla.org/en/docs/Web/API/HTMLOptionsCollection) to Kotlin\n
*\npublic external abstract class HTMLOptionsCollection : HTMLCollection {\n    override var length: Int\n    open
var selectedIndex: Int\n    fun add(element: UnionHTMLOptGroupElementOrHTMLOptionElement, before:
dynamic = definedExternally)\n    fun remove(index: Int)\n }\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun
HTMLOptionsCollection.set(index: Int, option: HTMLOptionElement?) { asDynamic()[index] = option }\n\n**\n *
Exposes the JavaScript [HTMLElement](https://developer.mozilla.org/en/docs/Web/API/HTMLElement) to
Kotlin\n *\npublic external abstract class HTMLElement : Element, GlobalEventHandlers,
DocumentAndElementEventHandlers, ElementContentEditable, ElementCSSInlineStyle {\n    open var title:
String\n    open var lang: String\n    open var translate: Boolean\n    open var dir: String\n    open val dataset:
DOMStringMap\n    open var hidden: Boolean\n    open var tabIndex: Int\n    open var accessKey: String\n    open
val accessKeyLabel: String\n    open var draggable: Boolean\n    open val dropzone: DOMTokenList\n    open var
contextMenu: HTMLMenuElement?\n    open var spellcheck: Boolean\n    open var innerText: String\n    open val
offsetParent: Element?\n    open val offsetTop: Int\n    open val offsetLeft: Int\n    open val offsetWidth: Int\n    open
val offsetHeight: Int\n    fun click()\n    fun focus()\n    fun blur()\n    fun forceSpellCheck()\n\n companion object
{\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n

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val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val
ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE:
Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLUnknownElement](https://developer.mozilla.org/en/docs/Web/API/HTMLUnknownElement) to Kotlin \n
*\npublic external abstract class HTMLUnknownElement : HTMLElement { \n    companion object { \n
    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[DOMStringMap](https://developer.mozilla.org/en/docs/Web/API/DOMStringMap) to Kotlin \n
*\npublic external
abstract class DOMStringMap \n \n @Suppress(\ "INVISIBLE_REFERENCE\ ",
\ "INVISIBLE_MEMBER\ ") \n @kotlin.internal.InlineOnly \n public inline operator fun DOMStringMap.get(name:
String): String? = asDynamic()[name] \n \n @Suppress(\ "INVISIBLE_REFERENCE\ ",
\ "INVISIBLE_MEMBER\ ") \n @kotlin.internal.InlineOnly \n public inline operator fun DOMStringMap.set(name:
String, value: String) { asDynamic()[name] = value } \n \n /** \n * Exposes the JavaScript
[HTMLHtmlElement](https://developer.mozilla.org/en/docs/Web/API/HTMLHtmlElement) to Kotlin \n
*\npublic
external abstract class HTMLHtmlElement : HTMLElement { \n    open var version: String \n \n
    companion object
{ \n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n
    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val
ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE:
Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLHeadElement](https://developer.mozilla.org/en/docs/Web/API/HTMLHeadElement) to Kotlin \n
*\npublic
external abstract class HTMLHeadElement : HTMLElement { \n    companion object { \n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLTitleElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTitleElement) to Kotlin \n
*\npublic

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external abstract class HTMLTitleElement : HTMLElement {
    open var text: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
    }
    DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short }
}
/** Exposes the JavaScript [HTMLBaseElement](https://developer.mozilla.org/en/docs/Web/API/HTMLBaseElement) to Kotlin */
@public
external abstract class HTMLBaseElement : HTMLElement {
    open var href: String
    open var target: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
    }
    DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short }
}
/** Exposes the JavaScript [HTMLLinkElement](https://developer.mozilla.org/en/docs/Web/API/HTMLLinkElement) to Kotlin */
@public
external abstract class HTMLLinkElement : HTMLElement, LinkStyle {
    open var href: String
    open var crossOrigin: String?
    open var rel: String
    open var `as`: RequestDestination
    open val relList: DOMTokenList
    open var media: String
    open var nonce: String
    open var hreflang: String
    open var type: String
    open val sizes: DOMTokenList
    open varreferrerPolicy: String
    open var charset: String
    open var rev: String
    open var target: String
    open var scope: String
    open var workerType: WorkerType
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
    }
    DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short }
}
/** Exposes the JavaScript [HTMLMetaElement](https://developer.mozilla.org/en/docs/Web/API/HTMLMetaElement) to Kotlin */
@public
external abstract class HTMLMetaElement : HTMLElement {
    open var name: String
    open var httpEquiv: String
    open var content: String
    open var scheme: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
    }
}

```

DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short\n }\n}\n\n/\*\*\n \* Exposes the JavaScript [HTMLStyleElement](https://developer.mozilla.org/en/docs/Web/API/HTMLStyleElement) to Kotlin\n \*^\npublic external abstract class HTMLStyleElement : HTMLElement, LinkStyle {\n open var media: String\n open var nonce: String\n open var type: String\n\n companion object {\n val ELEMENT\_NODE: Short\n val ATTRIBUTE\_NODE: Short\n val TEXT\_NODE: Short\n val CDATA\_SECTION\_NODE: Short\n val ENTITY\_REFERENCE\_NODE: Short\n val ENTITY\_NODE: Short\n val PROCESSING\_INSTRUCTION\_NODE: Short\n val COMMENT\_NODE: Short\n val DOCUMENT\_NODE: Short\n val DOCUMENT\_TYPE\_NODE: Short\n val DOCUMENT\_FRAGMENT\_NODE: Short\n val NOTATION\_NODE: Short\n val DOCUMENT\_POSITION\_DISCONNECTED: Short\n val DOCUMENT\_POSITION\_PRECEDING: Short\n val DOCUMENT\_POSITION\_FOLLOWING: Short\n val DOCUMENT\_POSITION\_CONTAINS: Short\n val DOCUMENT\_POSITION\_CONTAINED\_BY: Short\n val

DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short\n }\n}\n\n/\*\*\n \* Exposes the JavaScript [HTMLBodyElement](https://developer.mozilla.org/en/docs/Web/API/HTMLBodyElement) to Kotlin\n \*^\npublic external abstract class HTMLBodyElement : HTMLElement, WindowEventHandlers {\n open var text: String\n open var link: String\n open var vLink: String\n open var aLink: String\n open var bgColor: String\n open var background: String\n\n companion object {\n val ELEMENT\_NODE: Short\n val ATTRIBUTE\_NODE: Short\n val TEXT\_NODE: Short\n val CDATA\_SECTION\_NODE: Short\n val ENTITY\_REFERENCE\_NODE: Short\n val ENTITY\_NODE: Short\n val PROCESSING\_INSTRUCTION\_NODE: Short\n val COMMENT\_NODE: Short\n val DOCUMENT\_NODE: Short\n val DOCUMENT\_TYPE\_NODE: Short\n val DOCUMENT\_FRAGMENT\_NODE: Short\n val NOTATION\_NODE: Short\n val DOCUMENT\_POSITION\_DISCONNECTED: Short\n val DOCUMENT\_POSITION\_PRECEDING: Short\n val DOCUMENT\_POSITION\_FOLLOWING: Short\n val DOCUMENT\_POSITION\_CONTAINS: Short\n val DOCUMENT\_POSITION\_CONTAINED\_BY: Short\n val

DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short\n }\n}\n\n/\*\*\n \* Exposes the JavaScript [HTMLHeadingElement](https://developer.mozilla.org/en/docs/Web/API/HTMLHeadingElement) to Kotlin\n \*^\npublic external abstract class HTMLHeadingElement : HTMLElement {\n open var align: String\n\n companion object {\n val ELEMENT\_NODE: Short\n val ATTRIBUTE\_NODE: Short\n val TEXT\_NODE: Short\n val CDATA\_SECTION\_NODE: Short\n val ENTITY\_REFERENCE\_NODE: Short\n val ENTITY\_NODE: Short\n val PROCESSING\_INSTRUCTION\_NODE: Short\n val COMMENT\_NODE: Short\n val DOCUMENT\_NODE: Short\n val DOCUMENT\_TYPE\_NODE: Short\n val DOCUMENT\_FRAGMENT\_NODE: Short\n val NOTATION\_NODE: Short\n val DOCUMENT\_POSITION\_DISCONNECTED: Short\n val DOCUMENT\_POSITION\_PRECEDING: Short\n val DOCUMENT\_POSITION\_FOLLOWING: Short\n val DOCUMENT\_POSITION\_CONTAINS: Short\n val DOCUMENT\_POSITION\_CONTAINED\_BY: Short\n val

DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short\n }\n}\n\n/\*\*\n \* Exposes the JavaScript [HTMLParagraphElement](https://developer.mozilla.org/en/docs/Web/API/HTMLParagraphElement) to Kotlin\n \*^\npublic external abstract class HTMLParagraphElement : HTMLElement {\n open var align: String\n\n companion object {\n val ELEMENT\_NODE: Short\n val ATTRIBUTE\_NODE: Short\n val TEXT\_NODE: Short\n val CDATA\_SECTION\_NODE: Short\n val ENTITY\_REFERENCE\_NODE: Short\n val ENTITY\_NODE: Short\n val PROCESSING\_INSTRUCTION\_NODE: Short\n val COMMENT\_NODE: Short\n val DOCUMENT\_NODE: Short\n val DOCUMENT\_TYPE\_NODE: Short\n val DOCUMENT\_FRAGMENT\_NODE: Short\n val NOTATION\_NODE: Short\n val DOCUMENT\_POSITION\_DISCONNECTED: Short\n val DOCUMENT\_POSITION\_PRECEDING: Short\n val DOCUMENT\_POSITION\_FOLLOWING: Short\n val DOCUMENT\_POSITION\_CONTAINS: Short\n val DOCUMENT\_POSITION\_CONTAINED\_BY: Short\n val

DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short\n }\n}\n\n/\*\*\n \* Exposes the JavaScript

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[HTMLHRElement](https://developer.mozilla.org/en/docs/Web/API/HTMLHRElement) to Kotlin\n *\npublic
external abstract class HTMLHRElement : HTMLInputElement {\n  open var align: String\n  open var color: String\n
open var noShade: Boolean\n  open var size: String\n  open var width: String\n\n  companion object {\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[HTMLPreElement](https://developer.mozilla.org/en/docs/Web/API/HTMLPreElement) to Kotlin\n *\npublic
external abstract class HTMLPreElement : HTMLInputElement {\n  open var width: Int\n\n  companion object {\n
val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[HTMLQuoteElement](https://developer.mozilla.org/en/docs/Web/API/HTMLQuoteElement) to Kotlin\n *\npublic
external abstract class HTMLQuoteElement : HTMLInputElement {\n  open var cite: String\n\n  companion object {\n
val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[HTMLLOListElement](https://developer.mozilla.org/en/docs/Web/API/HTMLLOListElement) to Kotlin\n *\npublic
external abstract class HTMLLOListElement : HTMLInputElement {\n  open var reversed: Boolean\n  open var start:
Int\n  open var type: String\n  open var compact: Boolean\n\n  companion object {\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[HTMLLUListElement](https://developer.mozilla.org/en/docs/Web/API/HTMLLUListElement) to Kotlin\n *\npublic
external abstract class HTMLLUListElement : HTMLInputElement {\n  open var compact: Boolean\n  open var type:

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val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n
val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLDataElement](https://developer.mozilla.org/en/docs/Web/API/HTMLDataElement) to Kotlin \n * \n public
external abstract class HTMLDataElement : HTMLElement { \n    open var value: String \n \n    companion object { \n
        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLTimeElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTimeElement) to Kotlin \n * \n public
external abstract class HTMLTimeElement : HTMLElement { \n    open var dateTime: String \n \n    companion
object { \n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE:
Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val
ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE:
Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLSpanElement](https://developer.mozilla.org/en/docs/Web/API/HTMLSpanElement) to Kotlin \n * \n public
external abstract class HTMLSpanElement : HTMLElement { \n    companion object { \n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLBRElement](https://developer.mozilla.org/en/docs/Web/API/HTMLBRElement) to Kotlin \n * \n public
external abstract class HTMLBRElement : HTMLElement { \n    open var clear: String \n \n    companion object { \n
        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val

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DOCUMENT\_FRAGMENT\_NODE: Short\n val NOTATION\_NODE: Short\n val

DOCUMENT\_POSITION\_DISCONNECTED: Short\n val DOCUMENT\_POSITION\_PRECEDING: Short\n val DOCUMENT\_POSITION\_FOLLOWING: Short\n val DOCUMENT\_POSITION\_CONTAINS: Short\n val DOCUMENT\_POSITION\_CONTAINED\_BY: Short\n val

DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short\n }n}\n\n/\*\*\n \* Exposes the JavaScript [HTMLHyperlinkElementUtils](https://developer.mozilla.org/en/docs/Web/API/HTMLHyperlinkElementUtils) to Kotlin\n \*\npublic external interface HTMLHyperlinkElementUtils {\n var href: String\n val origin: String\n var protocol: String\n var username: String\n var password: String\n var host: String\n var hostname: String\n var port: String\n var pathname: String\n var search: String\n var hash: String\n}\n\n/\*\*\n \* Exposes the JavaScript [HTMLModElement](https://developer.mozilla.org/en/docs/Web/API/HTMLModElement) to Kotlin\n \*\npublic external abstract class HTMLModElement : HTMLElement {\n open var cite: String\n open var dateTime: String\n\n companion object {\n val ELEMENT\_NODE: Short\n val ATTRIBUTE\_NODE: Short\n val TEXT\_NODE: Short\n val CDATA\_SECTION\_NODE: Short\n val ENTITY\_REFERENCE\_NODE: Short\n val ENTITY\_NODE: Short\n val PROCESSING\_INSTRUCTION\_NODE: Short\n val COMMENT\_NODE: Short\n val DOCUMENT\_NODE: Short\n val DOCUMENT\_TYPE\_NODE: Short\n val DOCUMENT\_FRAGMENT\_NODE: Short\n val NOTATION\_NODE: Short\n val DOCUMENT\_POSITION\_DISCONNECTED: Short\n val DOCUMENT\_POSITION\_PRECEDING: Short\n val DOCUMENT\_POSITION\_FOLLOWING: Short\n val DOCUMENT\_POSITION\_CONTAINS: Short\n val DOCUMENT\_POSITION\_CONTAINED\_BY: Short\n val DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short\n }n}\n\n/\*\*\n \* Exposes the JavaScript [HTMLPictureElement](https://developer.mozilla.org/en/docs/Web/API/HTMLPictureElement) to Kotlin\n \*\npublic external abstract class HTMLPictureElement : HTMLElement {\n companion object {\n val ELEMENT\_NODE: Short\n val ATTRIBUTE\_NODE: Short\n val TEXT\_NODE: Short\n val CDATA\_SECTION\_NODE: Short\n val ENTITY\_REFERENCE\_NODE: Short\n val ENTITY\_NODE: Short\n val PROCESSING\_INSTRUCTION\_NODE: Short\n val COMMENT\_NODE: Short\n val DOCUMENT\_NODE: Short\n val DOCUMENT\_TYPE\_NODE: Short\n val DOCUMENT\_FRAGMENT\_NODE: Short\n val NOTATION\_NODE: Short\n val DOCUMENT\_POSITION\_DISCONNECTED: Short\n val DOCUMENT\_POSITION\_PRECEDING: Short\n val DOCUMENT\_POSITION\_FOLLOWING: Short\n val DOCUMENT\_POSITION\_CONTAINS: Short\n val DOCUMENT\_POSITION\_CONTAINED\_BY: Short\n val DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short\n }n}\n\n/\*\*\n \* Exposes the JavaScript [HTMLSourceElement](https://developer.mozilla.org/en/docs/Web/API/HTMLSourceElement) to Kotlin\n \*\npublic external abstract class HTMLSourceElement : HTMLElement {\n open var src: String\n open var type: String\n open var srcset: String\n open var sizes: String\n open var media: String\n\n companion object {\n val ELEMENT\_NODE: Short\n val ATTRIBUTE\_NODE: Short\n val TEXT\_NODE: Short\n val CDATA\_SECTION\_NODE: Short\n val ENTITY\_REFERENCE\_NODE: Short\n val ENTITY\_NODE: Short\n val PROCESSING\_INSTRUCTION\_NODE: Short\n val COMMENT\_NODE: Short\n val DOCUMENT\_NODE: Short\n val DOCUMENT\_TYPE\_NODE: Short\n val DOCUMENT\_FRAGMENT\_NODE: Short\n val NOTATION\_NODE: Short\n val DOCUMENT\_POSITION\_DISCONNECTED: Short\n val DOCUMENT\_POSITION\_PRECEDING: Short\n val DOCUMENT\_POSITION\_FOLLOWING: Short\n val DOCUMENT\_POSITION\_CONTAINS: Short\n val DOCUMENT\_POSITION\_CONTAINED\_BY: Short\n val DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short\n }n}\n\n/\*\*\n \* Exposes the JavaScript [HTMLImageElement](https://developer.mozilla.org/en/docs/Web/API/HTMLImageElement) to Kotlin\n \*\npublic external abstract class HTMLImageElement : HTMLElement, HTMLORSVGImageElement, TexImageSource {\n open var alt: String\n open var src: String\n open var srcset: String\n open var sizes: String\n open var crossOrigin: String?\n open var useMap: String\n open var isMap: Boolean\n open var

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width: Int\n open var height: Int\n open val naturalWidth: Int\n open val naturalHeight: Int\n open val
complete: Boolean\n open val currentSrc: String\n open var referrerPolicy: String\n open var name: String\n
open var lowsrc: String\n open var align: String\n open var hspace: Int\n open var vspace: Int\n open var
longDesc: String\n open var border: String\n open val x: Int\n open val y: Int\n\n companion object {\n
val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLIFrameElement](https://developer.mozilla.org/en/docs/Web/API/HTMLIFrameElement) to Kotlin\n
*\n\npublic external abstract class HTMLIFrameElement : HTMLInputElement {\n open var src: String\n open var
srcdoc: String\n open var name: String\n open val sandbox: DOMTokenList\n open var allowFullscreen:
Boolean\n open var allowUserMedia: Boolean\n open var width: String\n open var height: String\n open var
referrerPolicy: String\n open val contentDocument: Document?\n open val contentWindow: Window?\n open
var align: String\n open var scrolling: String\n open var frameBorder: String\n open var longDesc: String\n
open var marginHeight: String\n open var marginWidth: String\n fun getSVGDocument(): Document?\n\n
companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val
TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE:
Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val
COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n
val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLEmbedElement](https://developer.mozilla.org/en/docs/Web/API/HTMLEmbedElement) to Kotlin\n
*\n\npublic external abstract class HTMLEmbedElement : HTMLInputElement {\n open var src: String\n open var
type: String\n open var width: String\n open var height: String\n open var align: String\n open var name:
String\n fun getSVGDocument(): Document?\n\n companion object {\n val ELEMENT_NODE: Short\n
val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n
val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLObjectElement](https://developer.mozilla.org/en/docs/Web/API/HTMLObjectElement) to Kotlin\n
*\n\npublic external abstract class HTMLObjectElement : HTMLInputElement {\n open var data: String\n open var
type: String\n open var typeMustMatch: Boolean\n open var name: String\n open var useMap: String\n open
val form: HTMLFormElement?\n open var width: String\n open var height: String\n open val
contentDocument: Document?\n open val contentWindow: Window?\n open val willValidate: Boolean\n open
val validity: ValidityState\n open val validationMessage: String\n open var align: String\n open var archive:

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String\n open var code: String\n open var declare: Boolean\n open var hspace: Int\n open var standby:
String\n open var vspace: Int\n open var codeBase: String\n open var codeType: String\n open var border:
String\n fun getSVGDocument(): Document?\n fun checkValidity(): Boolean\n fun reportValidity():
Boolean\n fun setCustomValidity(error: String)\n\n companion object {\n val ELEMENT_NODE: Short\n
val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n
val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLParamElement](https://developer.mozilla.org/en/docs/Web/API/HTMLParamElement) to Kotlin\n
*\n\npublic external abstract class HTMLParamElement : HTMLInputElement {\n open var name: String\n open var
value: String\n open var type: String\n open var valueType: String\n\n companion object {\n val
ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLVideoElement](https://developer.mozilla.org/en/docs/Web/API/HTMLVideoElement) to Kotlin\n
*\n\npublic external abstract class HTMLVideoElement : HTMLMediaElement, CanvasImageSource, TexImageSource {\n
open var width: Int\n open var height: Int\n open val videoWidth: Int\n open val videoHeight: Int\n open var
poster: String\n open var playsInline: Boolean\n\n companion object {\n val NETWORK_EMPTY: Short\n
val NETWORK_IDLE: Short\n val NETWORK_LOADING: Short\n val NETWORK_NO_SOURCE:
Short\n val HAVE_NOTHING: Short\n val HAVE_METADATA: Short\n val
HAVE_CURRENT_DATA: Short\n val HAVE_FUTURE_DATA: Short\n val HAVE_ENOUGH_DATA:
Short\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n
val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val
ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE:
Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLAudioElement](https://developer.mozilla.org/en/docs/Web/API/HTMLAudioElement) to Kotlin\n
*\n\npublic external abstract class HTMLAudioElement : HTMLMediaElement {\n companion object {\n val
NETWORK_EMPTY: Short\n val NETWORK_IDLE: Short\n val NETWORK_LOADING: Short\n
val NETWORK_NO_SOURCE: Short\n val HAVE_NOTHING: Short\n val HAVE_METADATA:
Short\n val HAVE_CURRENT_DATA: Short\n val HAVE_FUTURE_DATA: Short\n val
HAVE_ENOUGH_DATA: Short\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n
val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE:

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Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val
COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n
    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLTrackElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTrackElement) to Kotlin\n
*/\npublic external abstract class HTMLTrackElement : HTMLElement {\n    open var kind: String\n    open var src: String\n
    open var srclang: String\n    open var label: String\n    open var default: Boolean\n    open val readyState: Short\n
    open val track: TextTrack\n\n    companion object {\n        val NONE: Short\n        val LOADING: Short\n        val
LOADED: Short\n        val ERROR: Short\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE:
Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLMediaElement](https://developer.mozilla.org/en/docs/Web/API/HTMLMediaElement) to Kotlin\n
*/\npublic external abstract class HTMLMediaElement : HTMLElement {\n    open val error: MediaError?\n    open
var src: String\n    open var srcObject: MediaProvider?\n    open val currentSrc: String\n    open var crossOrigin:
String?\n    open val networkState: Short\n    open var preload: String\n    open val buffered: TimeRanges\n    open
val readyState: Short\n    open val seeking: Boolean\n    open var currentTime: Double\n    open val duration:
Double\n    open val paused: Boolean\n    open var defaultPlaybackRate: Double\n    open var playbackRate:
Double\n    open val played: TimeRanges\n    open val seekable: TimeRanges\n    open val ended: Boolean\n    open
var autoplay: Boolean\n    open var loop: Boolean\n    open var controls: Boolean\n    open var volume: Double\n
    open var muted: Boolean\n    open var defaultMuted: Boolean\n    open val audioTracks: AudioTrackList\n    open
val videoTracks: VideoTrackList\n    open val textTracks: TextTrackList\n    open val mediaKeys: MediaKeys?\n
    open var onencrypted: ((Event) -> dynamic)?\n    open var onwaitingforkey: ((Event) -> dynamic)?\n    fun load()\n
    fun canPlayType(type: String): CanPlayTypeResult\n    fun fastSeek(time: Double)\n    fun getStartDate():
dynamic\n    fun play(): Promise<Unit>\n    fun pause()\n    fun addTextTrack(kind: TextTrackKind, label: String =
definedExternally, language: String = definedExternally): TextTrack\n    fun setMediaKeys(mediaKeys:
MediaKeys?): Promise<Unit>\n\n    companion object {\n        val NETWORK_EMPTY: Short\n        val
NETWORK_IDLE: Short\n        val NETWORK_LOADING: Short\n        val NETWORK_NO_SOURCE: Short\n
        val HAVE_NOTHING: Short\n        val HAVE_METADATA: Short\n        val HAVE_CURRENT_DATA:
Short\n        val HAVE_FUTURE_DATA: Short\n        val HAVE_ENOUGH_DATA: Short\n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript

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[MediaError](https://developer.mozilla.org/en/docs/Web/API/MediaError) to Kotlin\n \*^\\npublic external abstract class MediaError {\n open val code: Short\n\n companion object {\n val MEDIA\_ERR\_ABORTED: Short\n val MEDIA\_ERR\_NETWORK: Short\n val MEDIA\_ERR\_DECODE: Short\n val MEDIA\_ERR\_SRC\_NOT\_SUPPORTED: Short\n }\n}\n\n/\*\*\n \* Exposes the JavaScript

[AudioTrackList](https://developer.mozilla.org/en/docs/Web/API/AudioTrackList) to Kotlin\n \*^\\npublic external abstract class AudioTrackList : EventTarget {\n open val length: Int\n open var onchange: ((Event) -> dynamic)?\n open var onaddtrack: ((TrackEvent) -> dynamic)?\n open var onremovetrack: ((TrackEvent) -> dynamic)?\n fun getTrackById(id: String): AudioTrack?\n}\n\n@Suppress("INVISIBLE\_REFERENCE", "INVISIBLE\_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun AudioTrackList.get(index: Int): AudioTrack? = asDynamic()[index]\n\n/\*\*\n \* Exposes the JavaScript

[AudioTrack](https://developer.mozilla.org/en/docs/Web/API/AudioTrack) to Kotlin\n \*^\\npublic external abstract class AudioTrack : UnionAudioTrackOrTextTrackOrVideoTrack {\n open val id: String\n open val kind: String\n open val label: String\n open val language: String\n open var enabled: Boolean\n open val sourceBuffer: SourceBuffer?\n}\n\n/\*\*\n \* Exposes the JavaScript

[VideoTrackList](https://developer.mozilla.org/en/docs/Web/API/VideoTrackList) to Kotlin\n \*^\\npublic external abstract class VideoTrackList : EventTarget {\n open val length: Int\n open val selectedIndex: Int\n open var onchange: ((Event) -> dynamic)?\n open var onaddtrack: ((TrackEvent) -> dynamic)?\n open var onremovetrack: ((TrackEvent) -> dynamic)?\n fun getTrackById(id: String): VideoTrack?\n}\n\n@Suppress("INVISIBLE\_REFERENCE", "INVISIBLE\_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun VideoTrackList.get(index: Int): VideoTrack? = asDynamic()[index]\n\n/\*\*\n \* Exposes the JavaScript

[VideoTrack](https://developer.mozilla.org/en/docs/Web/API/VideoTrack) to Kotlin\n \*^\\npublic external abstract class VideoTrack : UnionAudioTrackOrTextTrackOrVideoTrack {\n open val id: String\n open val kind: String\n open val label: String\n open val language: String\n open var selected: Boolean\n open val sourceBuffer: SourceBuffer?\n}\n\npublic external abstract class TextTrackList : EventTarget {\n open val length: Int\n open var onchange: ((Event) -> dynamic)?\n open var onaddtrack: ((TrackEvent) -> dynamic)?\n open var onremovetrack: ((TrackEvent) -> dynamic)?\n fun getTrackById(id: String): TextTrack?\n}\n\n@Suppress("INVISIBLE\_REFERENCE", "INVISIBLE\_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun TextTrackList.get(index: Int): TextTrack? = asDynamic()[index]\n\n/\*\*\n \* Exposes the JavaScript

[TextTrack](https://developer.mozilla.org/en/docs/Web/API/TextTrack) to Kotlin\n \*^\\npublic external abstract class TextTrack : EventTarget, UnionAudioTrackOrTextTrackOrVideoTrack {\n open val kind: TextTrackKind\n open val label: String\n open val language: String\n open val id: String\n open val inBandMetadataTrackDispatchType: String\n open var mode: TextTrackMode\n open val cues: TextTrackCueList?\n open val activeCues: TextTrackCueList?\n open var oncuechange: ((Event) -> dynamic)?\n open val sourceBuffer: SourceBuffer?\n fun addCue(cue: TextTrackCue)\n fun removeCue(cue: TextTrackCue)\n}\n\npublic external abstract class TextTrackCueList {\n open val length: Int\n fun getCueById(id: String): TextTrackCue?\n}\n\n@Suppress("INVISIBLE\_REFERENCE", "INVISIBLE\_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun TextTrackCueList.get(index: Int): TextTrackCue? = asDynamic()[index]\n\n/\*\*\n \* Exposes the JavaScript

[TextTrackCue](https://developer.mozilla.org/en/docs/Web/API/TextTrackCue) to Kotlin\n \*^\\npublic external abstract class TextTrackCue : EventTarget {\n open val track: TextTrack?\n open var id: String\n open var startTime: Double\n open var endTime: Double\n open var pauseOnExit: Boolean\n open var onenter: ((Event) -> dynamic)?\n open var onexit: ((Event) -> dynamic)?\n}\n\n/\*\*\n \* Exposes the JavaScript

[TimeRanges](https://developer.mozilla.org/en/docs/Web/API/TimeRanges) to Kotlin\n \*^\\npublic external abstract class TimeRanges {\n open val length: Int\n fun start(index: Int): Double\n fun end(index: Int): Double\n}\n\n/\*\*\n \* Exposes the JavaScript

[TrackEvent](https://developer.mozilla.org/en/docs/Web/API/TrackEvent) to Kotlin\n \*^\\npublic external open class

```

TrackEvent(type: String, eventInitDict: TrackEventInit = definedExternally) : Event {\n  open val track:
UnionAudioTrackOrTextTrackOrVideoTrack?}\n\n  companion object {\n    val NONE: Short\n    val
CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n
}\n}\n\npublic external interface TrackEventInit : EventInit {\n  var track:
UnionAudioTrackOrTextTrackOrVideoTrack? /* = null */\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun TrackEventInit(track:
UnionAudioTrackOrTextTrackOrVideoTrack? = null, bubbles: Boolean? = false, cancelable: Boolean? = false,
composed: Boolean? = false): TrackEventInit {\n  val o = js("{}")\n  o["track"] = track\n  o["bubbles"] =
bubbles\n  o["cancelable"] = cancelable\n  o["composed"] = composed\n  return o\n}\n\n/**\n * Exposes the
JavaScript [HTMLElement](https://developer.mozilla.org/en/docs/Web/API/HTMLElement) to Kotlin\n
*/\npublic external abstract class HTMLElement : HTMLDivElement {\n  open var name: String\n  open val
areas: HTMLCollection\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[HTMLAreaElement](https://developer.mozilla.org/en/docs/Web/API/HTMLAreaElement) to Kotlin\n
*/\npublic external abstract class HTMLAreaElement : HTMLDivElement, HTMLHyperlinkElementUtils {\n  open var alt:
String\n  open var coords: String\n  open var shape: String\n  open var target: String\n  open var download:
String\n  open var ping: String\n  open var rel: String\n  open val relList: DOMTokenList\n  open var
referrerPolicy: String\n  open var noHref: Boolean\n\n  companion object {\n    val ELEMENT_NODE:
Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE:
Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[HTMLTableElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableElement) to Kotlin\n
*/\npublic external abstract class HTMLTableElement : HTMLDivElement {\n  open var caption:
HTMLTableCaptionElement?\n  open var tHead: HTMLTableSectionElement?\n  open var tFoot:
HTMLTableSectionElement?\n  open val tBodies: HTMLCollection\n  open val rows: HTMLCollection\n  open
var align: String\n  open var border: String\n  open var frame: String\n  open var rules: String\n  open var
summary: String\n  open var width: String\n  open var bgColor: String\n  open var cellPadding: String\n  open
var cellSpacing: String\n  fun createCaption(): HTMLTableCaptionElement\n  fun deleteCaption()\n  fun
createTHead(): HTMLTableSectionElement\n  fun deleteTHead()\n  fun createTFoot():
HTMLTableSectionElement\n  fun deleteTFoot()\n  fun createTBody(): HTMLTableSectionElement\n  fun
insertRow(index: Int = definedExternally): HTMLTableRowElement\n  fun deleteRow(index: Int)\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val
TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE:

```

```

Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val
COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n
    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLTableCaptionElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableCaptionElement) to
Kotlin\n */\npublic external abstract class HTMLTableCaptionElement : HTMLElement {\n    open var align:
String\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n
        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLTableColElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableColElement) to Kotlin\n
*/\npublic external abstract class HTMLTableColElement : HTMLElement {\n    open var span: Int\n    open var
align: String\n    open var ch: String\n    open var chOff: String\n    open var vAlign: String\n    open var width:
String\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n
        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLTableSectionElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableSectionElement) to
Kotlin\n */\npublic external abstract class HTMLTableSectionElement : HTMLElement {\n    open val rows:
HTMLCollection\n    open var align: String\n    open var ch: String\n    open var chOff: String\n    open var vAlign:
String\n    fun insertRow(index: Int = definedExternally): HTMLElement\n    fun deleteRow(index: Int)\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val
TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLTableRowElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableRowElement) to Kotlin\n
*/\npublic external abstract class HTMLTableRowElement : HTMLElement {\n    open val rowIndex: Int\n    open
val sectionRowIndex: Int\n    open val cells: HTMLCollection\n    open var align: String\n    open var ch: String\n
    open var chOff: String\n    open var vAlign: String\n    open var bgColor: String\n    fun insertCell(index: Int =
definedExternally): HTMLElement\n    fun deleteCell(index: Int)\n\n    companion object {\n        val

```

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ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLTableCellElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableCellElement) to Kotlin \n
*\npublic external abstract class HTMLTableCellElement : HTMLInputElement { \n    open var colSpan: Int \n    open var
rowSpan: Int \n    open var headers: String \n    open val cellIndex: Int \n    open var scope: String \n    open var abbr:
String \n    open var align: String \n    open var axis: String \n    open var height: String \n    open var width: String \n
    open var ch: String \n    open var chOff: String \n    open var noWrap: Boolean \n    open var vAlign: String \n    open
var bgColor: String \n \n    companion object { \n        val ELEMENT_NODE: Short \n        val ATTRIBUTE_NODE:
Short \n        val TEXT_NODE: Short \n        val CDATA_SECTION_NODE: Short \n        val
ENTITY_REFERENCE_NODE: Short \n        val ENTITY_NODE: Short \n        val
PROCESSING_INSTRUCTION_NODE: Short \n        val COMMENT_NODE: Short \n        val
DOCUMENT_NODE: Short \n        val DOCUMENT_TYPE_NODE: Short \n        val
DOCUMENT_FRAGMENT_NODE: Short \n        val NOTATION_NODE: Short \n        val
DOCUMENT_POSITION_DISCONNECTED: Short \n        val DOCUMENT_POSITION_PRECEDING: Short \n
        val DOCUMENT_POSITION_FOLLOWING: Short \n        val DOCUMENT_POSITION_CONTAINS: Short \n
        val DOCUMENT_POSITION_CONTAINED_BY: Short \n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short \n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLFormElement](https://developer.mozilla.org/en/docs/Web/API/HTMLFormElement) to Kotlin \n
*\npublic external abstract class HTMLFormElement : HTMLInputElement { \n    open var acceptCharset: String \n    open var
action: String \n    open var autocomplete: String \n    open var enctype: String \n    open var encoding: String \n    open
var method: String \n    open var name: String \n    open var noValidate: Boolean \n    open var target: String \n    open
val elements: HTMLFormControlsCollection \n    open val length: Int \n    fun submit() \n    fun reset() \n    fun
checkValidity(): Boolean \n    fun reportValidity(): Boolean \n \n    companion object { \n        val ELEMENT_NODE:
Short \n        val ATTRIBUTE_NODE: Short \n        val TEXT_NODE: Short \n        val CDATA_SECTION_NODE:
Short \n        val ENTITY_REFERENCE_NODE: Short \n        val ENTITY_NODE: Short \n        val
PROCESSING_INSTRUCTION_NODE: Short \n        val COMMENT_NODE: Short \n        val
DOCUMENT_NODE: Short \n        val DOCUMENT_TYPE_NODE: Short \n        val
DOCUMENT_FRAGMENT_NODE: Short \n        val NOTATION_NODE: Short \n        val
DOCUMENT_POSITION_DISCONNECTED: Short \n        val DOCUMENT_POSITION_PRECEDING: Short \n
        val DOCUMENT_POSITION_FOLLOWING: Short \n        val DOCUMENT_POSITION_CONTAINS: Short \n
        val DOCUMENT_POSITION_CONTAINED_BY: Short \n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short \n    } \n} \n \n @Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER") \n @kotlin.internal.InlineOnly \n public inline operator fun
HTMLFormElement.get(index: Int): Element? =
asDynamic()[index] \n \n @Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER") \n @kotlin.internal.InlineOnly \n public inline operator fun
HTMLFormElement.get(name: String): UnionElementOrRadioNodeList? = asDynamic()[name] \n \n /** \n * Exposes
the JavaScript [HTMLLabelElement](https://developer.mozilla.org/en/docs/Web/API/HTMLLabelElement) to
Kotlin \n
*\npublic external abstract class HTMLLabelElement : HTMLInputElement { \n    open val form:
HTMLFormElement? \n    open var htmlFor: String \n    open val control: HTMLInputElement? \n \n    companion object

```

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{\n    val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }
}

/**
 * Exposes the JavaScript [HTMLInputElement](https://developer.mozilla.org/en/docs/Web/API/HTMLInputElement) to Kotlin
 *
 * public external abstract class HTMLInputElement : HTMLElement {
 *     open var accept: String
 *     open var alt: String
 *     open var autocomplete: String
 *     open var autofocus: Boolean
 *     open var defaultChecked: Boolean
 *     open var checked: Boolean
 *     open var dirName: String
 *     open var disabled: Boolean
 *     open val form: HTMLFormElement?
 *     open val files: FileList?
 *     open var formAction: String
 *     open var formEnctype: String
 *     open var formMethod: String
 *     open var formNoValidate: Boolean
 *     open var formTarget: String
 *     open var height: Int
 *     open var indeterminate: Boolean
 *     open var inputMode: String
 *     open val list: HTMLElement?
 *     open var max: String
 *     open var maxLength: Int
 *     open var min: String
 *     open var minLength: Int
 *     open var multiple: Boolean
 *     open var name: String
 *     open var pattern: String
 *     open var placeholder: String
 *     open var readOnly: Boolean
 *     open var required: Boolean
 *     open var size: Int
 *     open var src: String
 *     open var step: String
 *     open var type: String
 *     open var defaultValue: String
 *     open var value: String
 *     open var valueAsDate: dynamic
 *     open var valueAsNumber: Double
 *     open var width: Int
 *     open val willValidate: Boolean
 *     open val validity: ValidityState
 *     open val validationMessage: String
 *     open val labels: NodeList
 *     open var selectionStart: Int?
 *     open var selectionEnd: Int?
 *     open var selectionDirection: String?
 *     open var align: String
 *     open var useMap: String
 *     fun stepUp(n: Int = definedExternally)
 *     fun stepDown(n: Int = definedExternally)
 *     fun checkValidity(): Boolean
 *     fun reportValidity(): Boolean
 *     fun setCustomValidity(error: String)
 *     fun select()
 *     fun setRangeText(replacement: String)
 *     fun setRangeText(replacement: String, start: Int, end: Int, selectionMode: SelectionMode = definedExternally)
 *     fun setSelectionRange(start: Int, end: Int, direction: String = definedExternally)
 *
 *     companion object {
 *         val ELEMENT_NODE: Short
 *         val ATTRIBUTE_NODE: Short
 *         val TEXT_NODE: Short
 *         val CDATA_SECTION_NODE: Short
 *         val ENTITY_REFERENCE_NODE: Short
 *         val ENTITY_NODE: Short
 *         val PROCESSING_INSTRUCTION_NODE: Short
 *         val COMMENT_NODE: Short
 *         val DOCUMENT_NODE: Short
 *         val DOCUMENT_TYPE_NODE: Short
 *         val DOCUMENT_FRAGMENT_NODE: Short
 *         val NOTATION_NODE: Short
 *         val DOCUMENT_POSITION_DISCONNECTED: Short
 *         val DOCUMENT_POSITION_PRECEDING: Short
 *         val DOCUMENT_POSITION_FOLLOWING: Short
 *         val DOCUMENT_POSITION_CONTAINS: Short
 *         val DOCUMENT_POSITION_CONTAINED_BY: Short
 *     }
 * }

/**
 * Exposes the JavaScript [HTMLButtonElement](https://developer.mozilla.org/en/docs/Web/API/HTMLButtonElement) to Kotlin
 *
 * public external abstract class HTMLButtonElement : HTMLElement {
 *     open var autofocus: Boolean
 *     open var disabled: Boolean
 *     open val form: HTMLFormElement?
 *     open var formAction: String
 *     open var formEnctype: String
 *     open var formMethod: String
 *     open var formNoValidate: Boolean
 *     open var formTarget: String
 *     open var name: String
 *     open var type: String
 *     open var value: String
 *     open var menu: HTMLMenuElement?
 *     open val willValidate: Boolean
 *     open val validity: ValidityState
 *     open val validationMessage: String
 *     open val labels: NodeList
 *     fun checkValidity(): Boolean
 *     fun reportValidity(): Boolean
 *     fun setCustomValidity(error: String)
 *
 *     companion object {
 *         val ELEMENT_NODE: Short
 *         val ATTRIBUTE_NODE: Short
 *         val TEXT_NODE: Short
 *         val CDATA_SECTION_NODE: Short
 *         val ENTITY_REFERENCE_NODE: Short
 *         val ENTITY_NODE: Short
 *     }
 * }

```

```

PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLSelectElement](https://developer.mozilla.org/en/docs/Web/API/HTMLSelectElement) to Kotlin\n
*/\npublic external abstract class HTMLSelectElement : HTMLInputElement, ItemArrayLike<Element> {\n    open var
autocomplete: String\n    open var autofocus: Boolean\n    open var disabled: Boolean\n    open val form:
HTMLFormElement?\n    open var multiple: Boolean\n    open var name: String\n    open var required: Boolean\n
open var size: Int\n    open val type: String\n    open val options: HTMLOptionsCollection\n    override var length:
Int\n    open val selectedOptions: HTMLCollection\n    open var selectedIndex: Int\n    open var value: String\n
open val willValidate: Boolean\n    open val validity: ValidityState\n    open val validationMessage: String\n
open val labels: NodeList\n    fun namedItem(name: String): HTMLOptionElement?\n    fun add(element:
UnionHTMLOptGroupElementOrHTMLOptionElement, before: dynamic = definedExternally)\n    fun
remove(index: Int)\n    fun checkValidity(): Boolean\n    fun reportValidity(): Boolean\n    fun
setCustomValidity(error: String)\n    override fun item(index: Int): Element?\n    companion object {\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n
}\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun
HTMLSelectElement.get(index: Int): Element? =
asDynamic()[index]\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun
HTMLSelectElement.set(index: Int, option: HTMLOptionElement?) { asDynamic()[index] = option }\n\n/**\n *
Exposes the JavaScript
[HTMLDataListElement](https://developer.mozilla.org/en/docs/Web/API/HTMLDataListElement) to Kotlin\n
*/\npublic external abstract class HTMLDataListElement : HTMLInputElement {\n    open val options:
HTMLCollection\n\n    companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE:
Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLOptGroupElement](https://developer.mozilla.org/en/docs/Web/API/HTMLOptGroupElement) to Kotlin\n
*/\npublic external abstract class HTMLOptGroupElement : HTMLInputElement,

```

```

UnionHTMLOptGroupElementOrHTMLOptionElement {
    open var disabled: Boolean
    open var label: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}

/** Exposes the JavaScript [HTMLOptionElement](https://developer.mozilla.org/en/docs/Web/API/HTMLOptionElement) to Kotlin */
@public external abstract class HTMLOptionElement : HTMLElement,
    UnionHTMLOptGroupElementOrHTMLOptionElement {
    open var disabled: Boolean
    open var form: HTMLFormElement?
    open var label: String
    open var defaultSelected: Boolean
    open var selected: Boolean
    open var value: String
    open var text: String
    open val index: Int
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}

/** Exposes the JavaScript [HTMLTextAreaElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTextAreaElement) to Kotlin */
@public external abstract class HTMLTextAreaElement : HTMLElement {
    open var autocomplete: String
    open var autofocus: Boolean
    open var cols: Int
    open var dirName: String
    open var disabled: Boolean
    open var form: HTMLFormElement?
    open var inputMode: String
    open var maxLength: Int
    open var minLength: Int
    open var name: String
    open var placeholder: String
    open var readOnly: Boolean
    open var required: Boolean
    open var rows: Int
    open var wrap: String
    open val type: String
    open var defaultValue: String
    open var value: String
    open val textLength: Int
    open val willValidate: Boolean
    open val validity: ValidityState
    open val validationMessage: String
    open val labels: NodeList
    open var selectionStart: Int?
    open var selectionEnd: Int?
    open var selectionDirection: String?
    fun checkValidity(): Boolean
    fun reportValidity(): Boolean
    fun setCustomValidity(error: String)
    fun select()
    fun setRangeText(replacement: String)
    fun setRangeText(replacement: String, start: Int, end: Int, selectionMode: SelectionMode = definedExternally)
    fun setSelectionRange(start: Int, end: Int, direction: String = definedExternally)
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}

/** Exposes the JavaScript [HTMLKeygenElement](https://developer.mozilla.org/en/docs/Web/API/HTMLKeygenElement) to Kotlin */
@public external abstract class HTMLKeygenElement : HTMLElement {
    open var autofocus: Boolean

```

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open var challenge: String\n open var disabled: Boolean\n open val form: HTMLFormElement?\n open var
keytype: String\n open var name: String\n open val type: String\n open val willValidate: Boolean\n open val
validity: ValidityState\n open val validationMessage: String\n open val labels: NodeList\n fun checkValidity():
Boolean\n fun reportValidity(): Boolean\n fun setCustomValidity(error: String)\n\n companion object {\n
val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLOutputElement](https://developer.mozilla.org/en/docs/Web/API/HTMLOutputElement) to Kotlin\n
*\n\npublic external abstract class HTMLOutputElement : HTMLElement {\n open val htmlFor: DOMTokenList\n
open val form: HTMLFormElement?\n open var name: String\n open val type: String\n open var
defaultValue: String\n open var value: String\n open val willValidate: Boolean\n open val validity:
ValidityState\n open val validationMessage: String\n open val labels: NodeList\n fun checkValidity():
Boolean\n fun reportValidity(): Boolean\n fun setCustomValidity(error: String)\n\n companion object {\n
val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLProgressElement](https://developer.mozilla.org/en/docs/Web/API/HTMLProgressElement) to Kotlin\n
*\n\npublic external abstract class HTMLProgressElement : HTMLElement {\n open var value: Double\n open
var max: Double\n open val position: Double\n open val labels: NodeList\n\n companion object {\n val
ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLMeterElement](https://developer.mozilla.org/en/docs/Web/API/HTMLMeterElement) to Kotlin\n
*\n\npublic external abstract class HTMLMeterElement : HTMLElement {\n open var value: Double\n open var min:
Double\n open var max: Double\n open var low: Double\n open var high: Double\n open var optimum:
Double\n open val labels: NodeList\n\n companion object {\n val ELEMENT_NODE: Short\n val
ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val

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DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLFieldSetElement](https://developer.mozilla.org/en/docs/Web/API/HTMLFieldSetElement) to Kotlin\n
*\n\npublic external abstract class HTMLFieldSetElement : HTMLElement {\n    open var disabled: Boolean\n
open val form: HTMLFormElement?\n    open var name: String\n    open val type: String\n    open val elements:
HTMLCollection\n    open val willValidate: Boolean\n    open val validity: ValidityState\n    open val
validationMessage: String\n    fun checkValidity(): Boolean\n    fun reportValidity(): Boolean\n    fun
setCustomValidity(error: String)\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val
ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLLegendElement](https://developer.mozilla.org/en/docs/Web/API/HTMLLegendElement) to Kotlin\n
*\n\npublic external abstract class HTMLLegendElement : HTMLElement {\n    open val form:
HTMLFormElement?\n    open var align: String\n\n    companion object {\n        val ELEMENT_NODE: Short\n
        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n
        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[ValidityState](https://developer.mozilla.org/en/docs/Web/API/ValidityState) to Kotlin\n
*\n\npublic external
abstract class ValidityState {\n    open val valueMissing: Boolean\n    open val typeMismatch: Boolean\n    open val
patternMismatch: Boolean\n    open val tooLong: Boolean\n    open val tooShort: Boolean\n    open val
rangeUnderflow: Boolean\n    open val rangeOverflow: Boolean\n    open val stepMismatch: Boolean\n    open val
badInput: Boolean\n    open val customError: Boolean\n    open val valid: Boolean\n}\n\n/**\n * Exposes the
JavaScript [HTMLDetailsElement](https://developer.mozilla.org/en/docs/Web/API/HTMLDetailsElement) to
Kotlin\n
*\n\npublic external abstract class HTMLDetailsElement : HTMLElement {\n    open var open: Boolean\n\n
    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val
TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n\npublic external abstract class

```

```

HTMLMenuElement : HTMLInputElement {
    open var type: String
    open var label: String
    open var compact: Boolean
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}
public external abstract class HTMLMenuItemElement : HTMLInputElement {
    open var type: String
    open var label: String
    open var icon: String
    open var disabled: Boolean
    open var checked: Boolean
    open var radiogroup: String
    open var default: Boolean
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}
public external open class RelatedEvent(
    type: String, eventInitDict: RelatedEventInit = definedExternally
) : Event {
    open var relatedTarget: EventTarget?
    companion object {
        val NONE: Short
        val CAPTURING_PHASE: Short
        val AT_TARGET: Short
        val BUBBLING_PHASE: Short
    }
}
public external interface RelatedEventInit : EventInit {
    var relatedTarget: EventTarget? /* = null */
    get() = definedExternally
    set(value) = definedExternally
}
@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun RelatedEventInit(
    relatedTarget: EventTarget? = null, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false
): RelatedEventInit {
    val o = js("{}")
    o["relatedTarget"] = relatedTarget
    o["bubbles"] = bubbles
    o["cancelable"] = cancelable
    o["composed"] = composed
    return o
}
/** Exposes the JavaScript [HTMLDialogElement](https://developer.mozilla.org/en/docs/Web/API/HTMLDialogElement) to Kotlin
 */
public external abstract class HTMLDialogElement : HTMLInputElement {
    open var open: Boolean
    open var returnValue: String
    fun show(anchor: UnionElementOrMouseEvent = definedExternally)
    fun showModal(anchor: UnionElementOrMouseEvent = definedExternally)
    fun close(returnValue: String = definedExternally)
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}
/** Exposes the JavaScript [HTMLScriptElement](https://developer.mozilla.org/en/docs/Web/API/HTMLScriptElement) to Kotlin
 */
public external abstract class HTMLScriptElement : HTMLInputElement, HTMLOrSVGScriptElement {
    open var src: String
    open var type: String
    open var charset: String
    open var async: Boolean
    open var defer:

```

```

Boolean\n open var crossOrigin: String?\n open var text: String\n open var nonce: String\n open var event:
String\n open var htmlFor: String\n\n companion object {\n val ELEMENT_NODE: Short\n val
ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLTemplateElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTemplateElement) to Kotlin\n
*\n\npublic external abstract class HTMLTemplateElement : HTMLElement {\n open val content:
DocumentFragment\n\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE:
Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLSlotElement](https://developer.mozilla.org/en/docs/Web/API/HTMLSlotElement) to Kotlin\n
*\n\npublic external abstract class HTMLSlotElement : HTMLElement {\n open var name: String\n fun
assignedNodes(options: AssignedNodesOptions = definedExternally): Array<Node>\n\n companion object {\n
val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\npublic external interface
AssignedNodesOptions {\n var flatten: Boolean? /* = false */\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\n\npublic inline fun AssignedNodesOptions(flatten:
Boolean? = false): AssignedNodesOptions {\n val o = js(\"({})\")\n o[\"flatten\"] = flatten\n return
o\n}\n}\n\n/**\n * Exposes the JavaScript
[HTMLCanvasElement](https://developer.mozilla.org/en/docs/Web/API/HTMLCanvasElement) to Kotlin\n
*\n\npublic external abstract class HTMLCanvasElement : HTMLElement, CanvasImageSource, TexImageSource
{\n open var width: Int\n open var height: Int\n fun getContext(contextId: String, vararg arguments: Any?):
RenderingContext?\n fun toDataURL(type: String = definedExternally, quality: Any? = definedExternally):
String\n fun toBlob(_callback: (Blob?) -> Unit, type: String = definedExternally, quality: Any? =
definedExternally)\n\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE:
Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val

```

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PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n } \n \n \n public external interface
CanvasRenderingContext2DSettings { \n    var alpha: Boolean? /* = true */ \n    get() = definedExternally \n
set(value) = definedExternally \n } \n \n @Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER") \n @kotlin.internal.InlineOnly \n public inline fun
CanvasRenderingContext2DSettings(alpha: Boolean? = true): CanvasRenderingContext2DSettings { \n    val o =
js("{}") \n    o["alpha"] = alpha \n    return o \n } \n \n /** \n * Exposes the JavaScript
[CanvasRenderingContext2D](https://developer.mozilla.org/en/docs/Web/API/CanvasRenderingContext2D) to
Kotlin \n * \n public external abstract class CanvasRenderingContext2D : CanvasState, CanvasTransform,
CanvasCompositing, CanvasImageSmoothing, CanvasFillStrokeStyles, CanvasShadowStyles, CanvasFilters,
CanvasRect, CanvasDrawPath, CanvasUserInterface, CanvasText, CanvasDrawImage, CanvasHitRegion,
CanvasImageData, CanvasPathDrawingStyles, CanvasTextDrawingStyles, CanvasPath, RenderingContext { \n
open val canvas: HTMLCanvasElement \n } \n \n public external interface CanvasState { \n    fun save() \n    fun
restore() \n } \n \n public external interface CanvasTransform { \n    fun scale(x: Double, y: Double) \n    fun
rotate(angle: Double) \n    fun translate(x: Double, y: Double) \n    fun transform(a: Double, b: Double, c: Double, d:
Double, e: Double, f: Double) \n    fun getTransform(): DOMMatrix \n    fun setTransform(a: Double, b: Double, c:
Double, d: Double, e: Double, f: Double) \n    fun setTransform(transform: dynamic = definedExternally) \n    fun
resetTransform() \n } \n \n public external interface CanvasCompositing { \n    var globalAlpha: Double \n    var
globalCompositeOperation: String \n } \n \n public external interface CanvasImageSmoothing { \n    var
imageSmoothingEnabled: Boolean \n    var imageSmoothingQuality: ImageSmoothingQuality \n } \n \n public external
interface CanvasFillStrokeStyles { \n    var strokeStyle: dynamic \n    get() = definedExternally \n    set(value) =
definedExternally \n    var fillStyle: dynamic \n    get() = definedExternally \n    set(value) = definedExternally \n
fun createLinearGradient(x0: Double, y0: Double, x1: Double, y1: Double): CanvasGradient \n    fun
createRadialGradient(x0: Double, y0: Double, r0: Double, x1: Double, y1: Double, r1: Double): CanvasGradient \n
fun createPattern(image: CanvasImageSource, repetition: String): CanvasPattern? \n } \n \n public external interface
CanvasShadowStyles { \n    var shadowOffsetX: Double \n    var shadowOffsetY: Double \n    var shadowBlur:
Double \n    var shadowColor: String \n } \n \n public external interface CanvasFilters { \n    var filter:
String \n } \n \n public external interface CanvasRect { \n    fun clearRect(x: Double, y: Double, w: Double, h:
Double) \n    fun fillRect(x: Double, y: Double, w: Double, h: Double) \n    fun strokeRect(x: Double, y: Double, w:
Double, h: Double) \n } \n \n public external interface CanvasDrawPath { \n    fun beginPath() \n    fun fill(fillRule:
CanvasFillRule = definedExternally) \n    fun fill(path: Path2D, fillRule: CanvasFillRule = definedExternally) \n
fun stroke() \n    fun stroke(path: Path2D) \n    fun clip(fillRule: CanvasFillRule = definedExternally) \n    fun
clip(path: Path2D, fillRule: CanvasFillRule = definedExternally) \n    fun resetClip() \n    fun isPointInPath(x:
Double, y: Double, fillRule: CanvasFillRule = definedExternally): Boolean \n    fun isPointInPath(path: Path2D, x:
Double, y: Double, fillRule: CanvasFillRule = definedExternally): Boolean \n    fun isPointInStroke(x: Double, y:
Double): Boolean \n    fun isPointInStroke(path: Path2D, x: Double, y: Double): Boolean \n } \n \n public external
interface CanvasUserInterface { \n    fun drawFocusIfNeeded(element: Element) \n    fun drawFocusIfNeeded(path:
Path2D, element: Element) \n    fun scrollPathIntoView() \n    fun scrollPathIntoView(path: Path2D) \n } \n \n public
external interface CanvasText { \n    fun fillText(text: String, x: Double, y: Double, maxWidth: Double =
definedExternally) \n    fun strokeText(text: String, x: Double, y: Double, maxWidth: Double = definedExternally) \n
fun measureText(text: String): TextMetrics \n } \n \n public external interface CanvasDrawImage { \n    fun
drawImage(image: CanvasImageSource, dx: Double, dy: Double) \n    fun drawImage(image: CanvasImageSource,
dx: Double, dy: Double, dw: Double, dh: Double) \n    fun drawImage(image: CanvasImageSource, sx: Double, sy:

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Double, sw: Double, sh: Double, dx: Double, dy: Double, dw: Double, dh: Double)\n}\n\npublic external interface
CanvasHitRegion {\n fun addHitRegion(options: HitRegionOptions = definedExternally)\n fun
removeHitRegion(id: String)\n fun clearHitRegions()\n}\n\npublic external interface CanvasImageData {\n fun
createImageData(sw: Double, sh: Double): ImageData\n fun createImageData(imagedata: ImageData):
ImageData\n fun getImageData(sx: Double, sy: Double, sw: Double, sh: Double): ImageData\n fun
putImageData(imagedata: ImageData, dx: Double, dy: Double)\n fun putImageData(imagedata: ImageData, dx:
Double, dy: Double, dirtyX: Double, dirtyY: Double, dirtyWidth: Double, dirtyHeight: Double)\n}\n\npublic
external interface CanvasPathDrawingStyles {\n var lineWidth: Double\n var lineCap: CanvasLineCap\n var
lineJoin: CanvasLineJoin\n var miterLimit: Double\n var lineDashOffset: Double\n fun setLineDash(segments:
Array<Double>)\n fun getLineDash(): Array<Double>\n}\n\npublic external interface CanvasTextDrawingStyles
{\n var font: String\n var textAlign: CanvasTextAlign\n var textBaseline: CanvasTextBaseline\n var
direction: CanvasDirection\n}\n\npublic external interface CanvasPath {\n fun closePath()\n fun moveTo(x:
Double, y: Double)\n fun lineTo(x: Double, y: Double)\n fun quadraticCurveTo(cpx: Double, cpy: Double, x:
Double, y: Double)\n fun bezierCurveTo(cp1x: Double, cp1y: Double, cp2x: Double, cp2y: Double, x: Double, y:
Double)\n fun arcTo(x1: Double, y1: Double, x2: Double, y2: Double, radius: Double)\n fun arcTo(x1: Double,
y1: Double, x2: Double, y2: Double, radiusX: Double, radiusY: Double, rotation: Double)\n fun rect(x: Double, y:
Double, w: Double, h: Double)\n fun arc(x: Double, y: Double, radius: Double, startAngle: Double, endAngle:
Double, anticlockwise: Boolean = definedExternally)\n fun ellipse(x: Double, y: Double, radiusX: Double,
radiusY: Double, rotation: Double, startAngle: Double, endAngle: Double, anticlockwise: Boolean =
definedExternally)\n}\n\n/**\n * Exposes the JavaScript
[CanvasGradient](https://developer.mozilla.org/en/docs/Web/API/CanvasGradient) to Kotlin\n */\n\npublic external
abstract class CanvasGradient {\n fun addColorStop(offset: Double, color: String)\n}\n\n/**\n * Exposes the
JavaScript [CanvasPattern](https://developer.mozilla.org/en/docs/Web/API/CanvasPattern) to Kotlin\n */\n\npublic
external abstract class CanvasPattern {\n fun setTransform(transform: dynamic = definedExternally)\n}\n\n/**\n *
Exposes the JavaScript [TextMetrics](https://developer.mozilla.org/en/docs/Web/API/TextMetrics) to Kotlin\n
*/\n\npublic external abstract class TextMetrics {\n open val width: Double\n open val actualBoundingBoxLeft:
Double\n open val actualBoundingBoxRight: Double\n open val fontBoundingBoxAscent: Double\n open val
fontBoundingBoxDescent: Double\n open val actualBoundingBoxAscent: Double\n open val
actualBoundingBoxDescent: Double\n open val emHeightAscent: Double\n open val emHeightDescent:
Double\n open val hangingBaseline: Double\n open val alphabeticBaseline: Double\n open val
ideographicBaseline: Double\n}\n\npublic external interface HitRegionOptions {\n var path: Path2D? /* = null
*/\n fun get() = definedExternally\n fun set(value) = definedExternally\n var fillRule: CanvasFillRule? /* =
CanvasFillRule.NONZERO */\n fun get() = definedExternally\n fun set(value) = definedExternally\n var id:
String? /* = \"\" */\n fun get() = definedExternally\n fun set(value) = definedExternally\n var parentID: String? /*
= null */\n fun get() = definedExternally\n fun set(value) = definedExternally\n var cursor: String? /* = \"inherit\"
*/\n fun get() = definedExternally\n fun set(value) = definedExternally\n var control: Element? /* = null */\n
fun get() = definedExternally\n fun set(value) = definedExternally\n var label: String? /* = null */\n fun get() =
definedExternally\n fun set(value) = definedExternally\n var role: String? /* = null */\n fun get() =
definedExternally\n fun set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun HitRegionOptions(path: Path2D? =
null, fillRule: CanvasFillRule? = CanvasFillRule.NONZERO, id: String? = \"\", parentID: String? = null, cursor:
String? = \"inherit\", control: Element? = null, label: String? = null, role: String? = null): HitRegionOptions {\n
val o = js(\"{\}\")\n o[\"path\"] = path\n o[\"fillRule\"] = fillRule\n o[\"id\"] = id\n o[\"parentID\"] = parentID\n
o[\"cursor\"] = cursor\n o[\"control\"] = control\n o[\"label\"] = label\n o[\"role\"] = role\n return
o\n}\n\n/**\n * Exposes the JavaScript [ImageData](https://developer.mozilla.org/en/docs/Web/API/ImageData) to
Kotlin\n */\n\npublic external open class ImageData : ImageBitmapSource, TexImageSource {\n constructor(sw:
Int, sh: Int)\n constructor(data: Uint8ClampedArray, sw: Int, sh: Int = definedExternally)\n open val width: Int\n
open val height: Int\n open val data: Uint8ClampedArray\n}\n\n/**\n * Exposes the JavaScript

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[Path2D](https://developer.mozilla.org/en/docs/Web/API/Path2D) to Kotlin\n \* public external open class Path2D() : CanvasPath {\n constructor(path: Path2D)\n constructor(paths: Array<Path2D>, fillRule: CanvasFillRule = definedExternally)\n constructor(d: String)\n fun addPath(path: Path2D, transform: dynamic = definedExternally)\n override fun closePath()\n override fun moveTo(x: Double, y: Double)\n override fun.lineTo(x: Double, y: Double)\n override fun quadraticCurveTo(cpx: Double, cpy: Double, x: Double, y: Double)\n override fun bezierCurveTo(cp1x: Double, cp1y: Double, cp2x: Double, cp2y: Double, x: Double, y: Double)\n override fun arcTo(x1: Double, y1: Double, x2: Double, y2: Double, radius: Double)\n override fun arcTo(x1: Double, y1: Double, x2: Double, y2: Double, radiusX: Double, radiusY: Double, rotation: Double)\n override fun rect(x: Double, y: Double, w: Double, h: Double)\n override fun arc(x: Double, y: Double, radius: Double, startAngle: Double, endAngle: Double, anticlockwise: Boolean /\* = definedExternally \*/) \n override fun ellipse(x: Double, y: Double, radiusX: Double, radiusY: Double, rotation: Double, startAngle: Double, endAngle: Double, anticlockwise: Boolean /\* = definedExternally \*/) \n} \n\n\*\* \n \* Exposes the JavaScript

[ImageBitmapRenderingContext](https://developer.mozilla.org/en/docs/Web/API/ImageBitmapRenderingContext) to Kotlin\n \* public external abstract class ImageBitmapRenderingContext {\n open val canvas: HTMLCanvasElement\n fun transferFromImageBitmap(bitmap: ImageBitmap?) \n} \n\npublic external interface ImageBitmapRenderingContextSettings {\n var alpha: Boolean? /\* = true \*/ \n get() = definedExternally\n set(value) = definedExternally \n} \n\n@Suppress("INVISIBLE\_REFERENCE", "INVISIBLE\_MEMBER") \n@kotlin.internal.InlineOnly\npublic inline fun ImageBitmapRenderingContextSettings(alpha: Boolean? = true): ImageBitmapRenderingContextSettings {\n val o = js("{}") \n o["alpha"] = alpha\n return o \n} \n\n\*\* \n \* Exposes the JavaScript

[CustomElementRegistry](https://developer.mozilla.org/en/docs/Web/API/CustomElementRegistry) to Kotlin\n \* public external abstract class CustomElementRegistry {\n fun define(name: String, constructor: () -> dynamic, options: ElementDefinitionOptions = definedExternally)\n fun get(name: String): Any? \n fun whenDefined(name: String): Promise<Unit> \n} \n\npublic external interface ElementDefinitionOptions {\n var extends: String? \n get() = definedExternally\n set(value) = definedExternally \n} \n\n@Suppress("INVISIBLE\_REFERENCE", "INVISIBLE\_MEMBER") \n@kotlin.internal.InlineOnly\npublic inline fun ElementDefinitionOptions(extends: String? = undefined): ElementDefinitionOptions {\n val o = js("{}") \n o["extends"] = extends\n return o \n} \n\npublic external interface ElementContentEditable {\n var contentEditable: String\n val isContentEditable: Boolean \n} \n\n\*\* \n \* Exposes the JavaScript

[DataTransfer](https://developer.mozilla.org/en/docs/Web/API/DataTransfer) to Kotlin\n \* public external abstract class DataTransfer {\n open var dropEffect: String\n open var effectAllowed: String\n open val items: DataTransferItemList\n open val types: Array<out String>\n open val files: FileList\n fun setDragImage(image: Element, x: Int, y: Int)\n fun getData(format: String): String\n fun setData(format: String, data: String)\n fun clearData(format: String = definedExternally) \n} \n\n\*\* \n \* Exposes the JavaScript

[DataTransferItemList](https://developer.mozilla.org/en/docs/Web/API/DataTransferItemList) to Kotlin\n \* public external abstract class DataTransferItemList {\n open val length: Int\n fun add(data: String, type: String): DataTransferItem? \n fun add(data: File): DataTransferItem? \n fun remove(index: Int)\n fun clear() \n} \n\n@Suppress("INVISIBLE\_REFERENCE", "INVISIBLE\_MEMBER") \n@kotlin.internal.InlineOnly\npublic inline operator fun DataTransferItemList.get(index: Int): DataTransferItem? = asDynamic()[index] \n\n\*\* \n \* Exposes the JavaScript

[DataTransferItem](https://developer.mozilla.org/en/docs/Web/API/DataTransferItem) to Kotlin\n \* public external abstract class DataTransferItem {\n open val kind: String\n open val type: String\n fun getAsString(\_callback: ((String) -> Unit)?) \n fun getAsFile(): File? \n} \n\n\*\* \n \* Exposes the JavaScript

[DragEvent](https://developer.mozilla.org/en/docs/Web/API/DragEvent) to Kotlin\n \* public external open class DragEvent(type: String, eventInitDict: DragEventInit = definedExternally) : MouseEvent {\n open val dataTransfer: DataTransfer? \n\n companion object {\n val NONE: Short\n val CAPTURING\_PHASE: Short\n val AT\_TARGET: Short\n val BUBBLING\_PHASE: Short\n } \n} \n\npublic external interface

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DragEventInit : MouseEventInit {\n  var dataTransfer: DataTransfer? /* = null */\n    get() = definedExternally\n    set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun DragEventInit(dataTransfer:
DataTransfer? = null, screenX: Int? = 0, screenY: Int? = 0, clientX: Int? = 0, clientY: Int? = 0, button: Short? = 0,
buttons: Short? = 0, relatedTarget: EventTarget? = null, region: String? = null, ctrlKey: Boolean? = false, shiftKey:
Boolean? = false, altKey: Boolean? = false, metaKey: Boolean? = false, modifierAltGraph: Boolean? = false,
modifierCapsLock: Boolean? = false, modifierFn: Boolean? = false, modifierFnLock: Boolean? = false,
modifierHyper: Boolean? = false, modifierNumLock: Boolean? = false, modifierScrollLock: Boolean? = false,
modifierSuper: Boolean? = false, modifierSymbol: Boolean? = false, modifierSymbolLock: Boolean? = false, view:
Window? = null, detail: Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): DragEventInit {\n  val o = js("{}")\n    o["dataTransfer"] = dataTransfer\n    o["screenX"] = screenX\n
o["screenY"] = screenY\n    o["clientX"] = clientX\n    o["clientY"] = clientY\n    o["button"] = button\n
o["buttons"] = buttons\n    o["relatedTarget"] = relatedTarget\n    o["region"] = region\n    o["ctrlKey"] =
ctrlKey\n    o["shiftKey"] = shiftKey\n    o["altKey"] = altKey\n    o["metaKey"] = metaKey\n
o["modifierAltGraph"] = modifierAltGraph\n    o["modifierCapsLock"] = modifierCapsLock\n
o["modifierFn"] = modifierFn\n    o["modifierFnLock"] = modifierFnLock\n    o["modifierHyper"] =
modifierHyper\n    o["modifierNumLock"] = modifierNumLock\n    o["modifierScrollLock"] =
modifierScrollLock\n    o["modifierSuper"] = modifierSuper\n    o["modifierSymbol"] = modifierSymbol\n
o["modifierSymbolLock"] = modifierSymbolLock\n    o["view"] = view\n    o["detail"] = detail\n
o["bubbles"] = bubbles\n    o["cancelable"] = cancelable\n    o["composed"] = composed\n  return
o\n}\n\n/**\n * Exposes the JavaScript [Window](https://developer.mozilla.org/en/docs/Web/API/Window) to
Kotlin\n */\n\npublic external abstract class Window : EventTarget, GlobalEventHandlers, WindowEventHandlers,
WindowOrWorkerGlobalScope, WindowSessionStorage, WindowLocalStorage, GlobalPerformance,
UnionMessagePortOrWindowProxy {\n  open val window: Window\n  open val self: Window\n  open val
document: Document\n  open var name: String\n  open val location: Location\n  open val history: History\n
open val customElements: CustomElementRegistry\n  open val locationbar: BarProp\n  open val menubar:
BarProp\n  open val personalbar: BarProp\n  open val scrollbars: BarProp\n  open val statusbar: BarProp\n
open val toolbar: BarProp\n  open var status: String\n  open val closed: Boolean\n  open val frames: Window\n
open val length: Int\n  open val top: Window\n  open var opener: Any?\n  open val parent: Window\n  open val
frameElement: Element?\n  open val navigator: Navigator\n  open val applicationCache: ApplicationCache\n
open val external: External\n  open val screen: Screen\n  open val innerWidth: Int\n  open val innerHeight: Int\n
open val scrollX: Double\n  open val pageXOffset: Double\n  open val scrollY: Double\n  open val
pageYOffset: Double\n  open val screenX: Int\n  open val screenY: Int\n  open val outerWidth: Int\n  open val
outerHeight: Int\n  open val devicePixelRatio: Double\n  fun close()\n  fun stop()\n  fun focus()\n  fun blur()\n
fun open(url: String = definedExternally, target: String = definedExternally, features: String = definedExternally):
Window?\n  fun alert()\n  fun alert(message: String)\n  fun confirm(message: String = definedExternally):
Boolean\n  fun prompt(message: String = definedExternally, default: String = definedExternally): String?\n  fun
print()\n  fun requestAnimationFrame(callback: (Double) -> Unit): Int\n  fun cancelAnimationFrame(handle:
Int)\n  fun postMessage(message: Any?, targetOrigin: String, transfer: Array<dynamic> = definedExternally)\n
fun captureEvents()\n  fun releaseEvents()\n  fun matchMedia(query: String): MediaQueryList\n  fun moveTo(x:
Int, y: Int)\n  fun moveBy(x: Int, y: Int)\n  fun resizeTo(x: Int, y: Int)\n  fun resizeBy(x: Int, y: Int)\n  fun
scroll(options: ScrollToOptions = definedExternally)\n  fun scroll(x: Double, y: Double)\n  fun scrollTo(options:
ScrollToOptions = definedExternally)\n  fun scrollTo(x: Double, y: Double)\n  fun scrollBy(options:
ScrollToOptions = definedExternally)\n  fun scrollBy(x: Double, y: Double)\n  fun getComputedStyle(elt:
Element, pseudoElt: String? = definedExternally):
CSSStyleDeclaration\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun Window.get(name: String):
dynamic = asDynamic()[name]\n\npublic external abstract class BarProp {\n  open val visible: Boolean\n}\n\n/**\n

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* Exposes the JavaScript [History](https://developer.mozilla.org/en/docs/Web/API/History) to Kotlin\n *\npublic
external abstract class History {\n  open val length: Int\n  open var scrollRestoration: ScrollRestoration\n  open
val state: Any?\n  fun go(delta: Int = definedExternally)\n  fun back()\n  fun forward()\n  fun pushState(data:
Any?, title: String, url: String? = definedExternally)\n  fun replaceState(data: Any?, title: String, url: String? =
definedExternally)\n}\n\n**\n * Exposes the JavaScript
[Location](https://developer.mozilla.org/en/docs/Web/API/Location) to Kotlin\n *\npublic external abstract class
Location {\n  open var href: String\n  open val origin: String\n  open var protocol: String\n  open var host:
String\n  open var hostname: String\n  open var port: String\n  open var pathname: String\n  open var search:
String\n  open var hash: String\n  open val ancestorOrigins: Array<out String>\n  fun assign(url: String)\n  fun
replace(url: String)\n  fun reload()\n}\n\n**\n * Exposes the JavaScript
[PopStateEvent](https://developer.mozilla.org/en/docs/Web/API/PopStateEvent) to Kotlin\n *\npublic external
open class PopStateEvent(type: String, eventInitDict: PopStateEventInit = definedExternally) : Event {\n  open val
state: Any?\n\n  companion object {\n    val NONE: Short\n    val CAPTURING_PHASE: Short\n    val
AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n  }\n}\n\npublic external interface PopStateEventInit
: EventInit {\n  var state: Any? /* = null */\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun PopStateEventInit(state: Any? = null,
bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): PopStateEventInit {\n  val o
= js("{}")\n  o["state"] = state\n  o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n
o["composed"] = composed\n  return o\n}\n\n**\n * Exposes the JavaScript
[HashChangeEvent](https://developer.mozilla.org/en/docs/Web/API/HashChangeEvent) to Kotlin\n *\npublic
external open class HashChangeEvent(type: String, eventInitDict: HashChangeEventInit = definedExternally) :
Event {\n  open val oldURL: String\n  open val newURL: String\n\n  companion object {\n    val NONE:
Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE:
Short\n  }\n}\n\npublic external interface HashChangeEventInit : EventInit {\n  var oldURL: String? /* = "" */\n
get() = definedExternally\n  set(value) = definedExternally\n  var newURL: String? /* = "" */\n  get() =
definedExternally\n  set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun HashChangeEventInit(oldURL:
String? = "", newURL: String? = "", bubbles: Boolean? = false, cancelable: Boolean? = false, composed:
Boolean? = false): HashChangeEventInit {\n  val o = js("{}")\n  o["oldURL"] = oldURL\n  o["newURL"]
= newURL\n  o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n  o["composed"] = composed\n
return o\n}\n\n**\n * Exposes the JavaScript
[PageTransitionEvent](https://developer.mozilla.org/en/docs/Web/API/PageTransitionEvent) to Kotlin\n *\npublic
external open class PageTransitionEvent(type: String, eventInitDict: PageTransitionEventInit = definedExternally) :
Event {\n  open val persisted: Boolean\n\n  companion object {\n    val NONE: Short\n    val
CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n  }\n}\n\npublic external interface PageTransitionEventInit : EventInit {\n  var persisted: Boolean? /* = false */\n
get() = definedExternally\n  set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun PageTransitionEventInit(persisted:
Boolean? = false, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false):
PageTransitionEventInit {\n  val o = js("{}")\n  o["persisted"] = persisted\n  o["bubbles"] = bubbles\n
o["cancelable"] = cancelable\n  o["composed"] = composed\n  return o\n}\n\n**\n * Exposes the JavaScript
[BeforeUnloadEvent](https://developer.mozilla.org/en/docs/Web/API/BeforeUnloadEvent) to Kotlin\n *\npublic
external open class BeforeUnloadEvent : Event {\n  var returnValue: String\n\n  companion object {\n    val
NONE: Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val
BUBBLING_PHASE: Short\n  }\n}\n\npublic external abstract class ApplicationCache : EventTarget {\n  open
val status: Short\n  open var onchecking: ((Event) -> dynamic)?\n  open var onerror: ((Event) -> dynamic)?\n
open var onnoupdate: ((Event) -> dynamic)?\n  open var ondownloading: ((Event) -> dynamic)?\n  open var

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onprogress: ((ProgressEvent) -> dynamic)?\n  open var onunreadystatechange: ((Event) -> dynamic)?\n  open var
oncached: ((Event) -> dynamic)?\n  open var onobsolete: ((Event) -> dynamic)?\n  fun update()\n  fun abort()\n
fun swapCache()\n\n  companion object {\n    val UNCACHED: Short\n    val IDLE: Short\n    val
CHECKING: Short\n    val DOWNLOADING: Short\n    val UPDATEREADY: Short\n    val OBSOLETE:
Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[NavigatorOnLine](https://developer.mozilla.org/en/docs/Web/API/NavigatorOnLine) to Kotlin\n */\npublic
external interface NavigatorOnLine {\n  val onLine: Boolean\n}\n\n/**\n * Exposes the JavaScript
[ErrorEvent](https://developer.mozilla.org/en/docs/Web/API/ErrorEvent) to Kotlin\n */\npublic external open class
ErrorEvent(type: String, eventInitDict: ErrorEventInit = definedExternally) : Event {\n  open val message: String\n
  open val filename: String\n  open val lineno: Int\n  open val colno: Int\n  open val error: Any?\n\n  companion
object {\n    val NONE: Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val
BUBBLING_PHASE: Short\n  }\n}\n\npublic external interface ErrorEventInit : EventInit {\n  var message:
String? /* = \"\" */\n  get() = definedExternally\n  set(value) = definedExternally\n  var filename: String? /*
= \"\" */\n  get() = definedExternally\n  set(value) = definedExternally\n  var lineno: Int? /* = 0 */\n  get() =
definedExternally\n  set(value) = definedExternally\n  var colno: Int? /* = 0 */\n  get() =
definedExternally\n  set(value) = definedExternally\n  var error: Any? /* = null */\n  get() =
definedExternally\n  set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun ErrorEventInit(message: String? = \"\",
filename: String? = \"\", lineno: Int? = 0, colno: Int? = 0, error: Any? = null, bubbles: Boolean? = false, cancelable:
Boolean? = false, composed: Boolean? = false): ErrorEventInit {\n  val o = js(\"({})\")\n  o[\"message\"] =
message\n  o[\"filename\"] = filename\n  o[\"lineno\"] = lineno\n  o[\"colno\"] = colno\n  o[\"error\"] = error\n
o[\"bubbles\"] = bubbles\n  o[\"cancelable\"] = cancelable\n  o[\"composed\"] = composed\n  return
o\n}\n\n/**\n * Exposes the JavaScript
[PromiseRejectionEvent](https://developer.mozilla.org/en/docs/Web/API/PromiseRejectionEvent) to Kotlin\n
*/\npublic external open class PromiseRejectionEvent(type: String, eventInitDict: PromiseRejectionEventInit) :
Event {\n  open val promise: Promise<Any?>\n  open val reason: Any?\n\n  companion object {\n    val
NONE: Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val
BUBBLING_PHASE: Short\n  }\n}\n\npublic external interface PromiseRejectionEventInit : EventInit {\n  var
promise: Promise<Any?>\n  var reason: Any?\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun PromiseRejectionEventInit(promise:
Promise<Any?>?, reason: Any? = undefined, bubbles: Boolean? = false, cancelable: Boolean? = false, composed:
Boolean? = false): PromiseRejectionEventInit {\n  val o = js(\"({})\")\n  o[\"promise\"] = promise\n
o[\"reason\"] = reason\n  o[\"bubbles\"] = bubbles\n  o[\"cancelable\"] = cancelable\n  o[\"composed\"] =
composed\n  return o\n}\n\n/**\n * Exposes the JavaScript
[GlobalEventHandlers](https://developer.mozilla.org/en/docs/Web/API/GlobalEventHandlers) to Kotlin\n
*/\npublic external interface GlobalEventHandlers {\n  var onabort: ((Event) -> dynamic)?\n  get() =
definedExternally\n  set(value) = definedExternally\n  var onblur: ((FocusEvent) -> dynamic)?\n  get() =
definedExternally\n  set(value) = definedExternally\n  var oncancel: ((Event) -> dynamic)?\n  get() =
definedExternally\n  set(value) = definedExternally\n  var oncanplay: ((Event) -> dynamic)?\n  get() =
definedExternally\n  set(value) = definedExternally\n  var oncanplaythrough: ((Event) -> dynamic)?\n  get()
= definedExternally\n  set(value) = definedExternally\n  var onchange: ((Event) -> dynamic)?\n  get() =
definedExternally\n  set(value) = definedExternally\n  var onclick: ((MouseEvent) -> dynamic)?\n  get() =
definedExternally\n  set(value) = definedExternally\n  var onclose: ((Event) -> dynamic)?\n  get() =
definedExternally\n  set(value) = definedExternally\n  var oncontextmenu: ((MouseEvent) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var oncuechange: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var ondblclick: ((MouseEvent) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var ondrag: ((DragEvent) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var ondragend: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var ondragenter: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var ondragleave: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var ondragover: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var ondragstart: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var ondrop: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onerror: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onfocus: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onfullscreenchange: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onfullscreenerror: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onhashchange: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var oninput: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var oninvalid: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onkeydown: ((KeyboardEvent) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onkeypress: ((KeyboardEvent) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onkeyup: ((KeyboardEvent) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onmousedown: ((MouseEvent) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onmouseenter: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onmouseleave: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onmousemove: ((MouseEvent) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onmouseout: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onmouseover: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onmouseup: ((MouseEvent) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onmousewheel: ((MouseEvent) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onpaste: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onreadystatechange: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onscroll: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onstorage: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onstoragecommit: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onsubmit: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onunload: ((Event) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n  var onwheel: ((MouseEvent) -> dynamic)?\n
get() = definedExternally\n  set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun GlobalEventHandlers(onabort: ((Event) ->
dynamic)?, onblur: ((FocusEvent) -> dynamic)?, oncancel: ((Event) -> dynamic)?, oncanplay: ((Event) ->
dynamic)?, oncanplaythrough: ((Event) -> dynamic)?, onchange: ((Event) -> dynamic)?, onclick: ((MouseEvent)
-> dynamic)?, onclose: ((Event) -> dynamic)?, oncontextmenu: ((MouseEvent) -> dynamic)?, oncuechange:
((Event) -> dynamic)?, ondblclick: ((MouseEvent) -> dynamic)?, ondrag: ((DragEvent) -> dynamic)?,
ondragend: ((Event) -> dynamic)?, ondragenter: ((Event) -> dynamic)?, ondragleave: ((Event) ->
dynamic)?, ondragover: ((Event) -> dynamic)?, ondragstart: ((Event) -> dynamic)?, ondrop: ((Event) ->
dynamic)?, onerror: ((Event) -> dynamic)?, onfocus: ((Event) -> dynamic)?, onfullscreenchange: ((Event) ->
dynamic)?, onfullscreenerror: ((Event) -> dynamic)?, onhashchange: ((Event) -> dynamic)?, oninput:
((Event) -> dynamic)?, oninvalid: ((Event) -> dynamic)?, onkeydown: ((KeyboardEvent) -> dynamic)?,
onkeypress: ((KeyboardEvent) -> dynamic)?, onkeyup: ((KeyboardEvent) -> dynamic)?, onmousedown:
((MouseEvent) -> dynamic)?, onmouseenter: ((Event) -> dynamic)?, onmouseleave: ((Event) ->
dynamic)?, onmousemove: ((MouseEvent) -> dynamic)?, onmouseout: ((Event) -> dynamic)?, onmouseover:
((Event) -> dynamic)?, onmouseup: ((MouseEvent) -> dynamic)?, onmousewheel: ((MouseEvent) ->
dynamic)?, onpaste: ((Event) -> dynamic)?, onreadystatechange: ((Event) -> dynamic)?, onscroll:
((Event) -> dynamic)?, onstorage: ((Event) -> dynamic)?, onstoragecommit: ((Event) ->
dynamic)?, onsubmit: ((Event) -> dynamic)?, onunload: ((Event) -> dynamic)?, onwheel:
((MouseEvent) -> dynamic)?): GlobalEventHandlers {
  val o = js(\"({})\")\n  o[\"onabort\"] = onabort\n  o[\"onblur\"] = onblur\n  o[\"oncancel\"] = oncancel\n
o[\"oncanplay\"] = oncanplay\n  o[\"oncanplaythrough\"] = oncanplaythrough\n  o[\"onchange\"] = onchange\n
o[\"onclick\"] = onclick\n  o[\"onclose\"] = onclose\n  o[\"oncontextmenu\"] = oncontextmenu\n  o[\"oncuechange\"]
= oncuechange\n  o[\"ondblclick\"] = ondblclick\n  o[\"ondrag\"] = ondrag\n  o[\"ondragend\"] = ondragend\n
o[\"ondragenter\"] = ondragenter\n  o[\"ondragleave\"] = ondragleave\n  o[\"ondragover\"] = ondragover\n
o[\"ondragstart\"] = ondragstart\n  o[\"ondrop\"] = ondrop\n  o[\"onerror\"] = onerror\n  o[\"onfocus\"] =
onfocus\n  o[\"onfullscreenchange\"] = onfullscreenchange\n  o[\"onfullscreenerror\"] = onfullscreenerror\n
o[\"onhashchange\"] = onhashchange\n  o[\"oninput\"] = oninput\n  o[\"oninvalid\"] = oninvalid\n  o[\"onkeydown\"]
= onkeydown\n  o[\"onkeypress\"] = onkeypress\n  o[\"onkeyup\"] = onkeyup\n  o[\"onmousedown\"] =
onmousedown\n  o[\"onmouseenter\"] = onmouseenter\n  o[\"onmouseleave\"] = onmouseleave\n  o[\"onmousemove\"]
= onmousemove\n  o[\"onmouseout\"] = onmouseout\n  o[\"onmouseover\"] = onmouseover\n  o[\"onmouseup\"] =
onmouseup\n  o[\"onmousewheel\"] = onmousewheel\n  o[\"onpaste\"] = onpaste\n  o[\"onreadystatechange\"] =
onreadystatechange\n  o[\"onscroll\"] = onscroll\n  o[\"onstorage\"] = onstorage\n  o[\"onstoragecommit\"] =
onstoragecommit\n  o[\"onsubmit\"] = onsubmit\n  o[\"onunload\"] = onunload\n  o[\"onwheel\"] = onwheel\n
  return o\n}\n\n/**\n * Exposes the JavaScript

```



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set(value) = definedExternally\n    var ontoggle: ((Event) -> dynamic)?\n        get() = definedExternally\n
set(value) = definedExternally\n    var onvolumechange: ((Event) -> dynamic)?\n        get() = definedExternally\n
set(value) = definedExternally\n    var onwaiting: ((Event) -> dynamic)?\n        get() = definedExternally\n
set(value) = definedExternally\n    var ongotpointercapture: ((PointerEvent) -> dynamic)?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var onlostpointercapture: ((PointerEvent) -> dynamic)?\n
        get() = definedExternally\n    set(value) = definedExternally\n    var onpointerdown: ((PointerEvent) ->
dynamic)?\n        get() = definedExternally\n    set(value) = definedExternally\n    var onpointermove:
((PointerEvent) -> dynamic)?\n        get() = definedExternally\n    set(value) = definedExternally\n    var
onpointerup: ((PointerEvent) -> dynamic)?\n        get() = definedExternally\n    set(value) = definedExternally\n
var onpointercancel: ((PointerEvent) -> dynamic)?\n        get() = definedExternally\n    set(value) =
definedExternally\n    var onpointerover: ((PointerEvent) -> dynamic)?\n        get() = definedExternally\n
set(value) = definedExternally\n    var onpointerout: ((PointerEvent) -> dynamic)?\n        get() = definedExternally\n
        set(value) = definedExternally\n    var onpointerenter: ((PointerEvent) -> dynamic)?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var onpointerleave: ((PointerEvent) -> dynamic)?\n
get() = definedExternally\n    set(value) = definedExternally\n}\n\n**\n * Exposes the JavaScript
[WindowEventHandlers](https://developer.mozilla.org/en/docs/Web/API/WindowEventHandlers) to Kotlin\n
*\npublic external interface WindowEventHandlers {\n    var onafterprint: ((Event) -> dynamic)?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var onbeforeprint: ((Event) -> dynamic)?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var onbeforeunload: ((BeforeUnloadEvent) ->
String?)?\n        get() = definedExternally\n    set(value) = definedExternally\n    var onhashchange:
((HashChangeEvent) -> dynamic)?\n        get() = definedExternally\n    set(value) = definedExternally\n    var
onlanguagechange: ((Event) -> dynamic)?\n        get() = definedExternally\n    set(value) = definedExternally\n
var onmessage: ((MessageEvent) -> dynamic)?\n        get() = definedExternally\n    set(value) =
definedExternally\n    var onoffline: ((Event) -> dynamic)?\n        get() = definedExternally\n    set(value) =
definedExternally\n    var ononline: ((Event) -> dynamic)?\n        get() = definedExternally\n    set(value) =
definedExternally\n    var onpagehide: ((PageTransitionEvent) -> dynamic)?\n        get() = definedExternally\n
set(value) = definedExternally\n    var onpageshow: ((PageTransitionEvent) -> dynamic)?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var onpopstate: ((PopStateEvent) -> dynamic)?\n
get() = definedExternally\n    set(value) = definedExternally\n    var onrejectionhandled: ((Event) -> dynamic)?\n
        get() = definedExternally\n    set(value) = definedExternally\n    var onstorage: ((StorageEvent) -> dynamic)?\n
        get() = definedExternally\n    set(value) = definedExternally\n    var onunhandledrejection:
((PromiseRejectionEvent) -> dynamic)?\n        get() = definedExternally\n    set(value) = definedExternally\n
var onunload: ((Event) -> dynamic)?\n        get() = definedExternally\n    set(value) =
definedExternally\n}\n\npublic external interface DocumentAndElementEventHandlers {\n    var oncopy:
((ClipboardEvent) -> dynamic)?\n        get() = definedExternally\n    set(value) = definedExternally\n    var oncut:
((ClipboardEvent) -> dynamic)?\n        get() = definedExternally\n    set(value) = definedExternally\n    var
onpaste: ((ClipboardEvent) -> dynamic)?\n        get() = definedExternally\n    set(value) =
definedExternally\n}\n\n**\n * Exposes the JavaScript
[WindowOrWorkerGlobalScope](https://developer.mozilla.org/en/docs/Web/API/WindowOrWorkerGlobalScope)
to Kotlin\n
*\npublic external interface WindowOrWorkerGlobalScope {\n    val origin: String\n    val caches:
CacheStorage\n    fun btoa(data: String): String\n    fun atob(data: String): String\n    fun setTimeout(handler:
dynamic, timeout: Int = definedExternally, vararg arguments: Any?): Int\n    fun clearTimeout(handle: Int =
definedExternally)\n    fun setInterval(handler: dynamic, timeout: Int = definedExternally, vararg arguments: Any?):
Int\n    fun clearInterval(handle: Int = definedExternally)\n    fun createImageBitmap(image: ImageBitmapSource,
options: ImageBitmapOptions = definedExternally): Promise<ImageBitmap>\n    fun createImageBitmap(image:
ImageBitmapSource, sx: Int, sy: Int, sw: Int, sh: Int, options: ImageBitmapOptions = definedExternally):
Promise<ImageBitmap>\n    fun fetch(input: dynamic, init: RequestInit = definedExternally):
Promise<Response>\n}\n\n**\n * Exposes the JavaScript

```

[Navigator](https://developer.mozilla.org/en/docs/Web/API/Navigator) to Kotlin\n \*^\\npublic external abstract class Navigator : NavigatorID, NavigatorLanguage, NavigatorOnLine, NavigatorContentUtils, NavigatorCookies, NavigatorPlugins, NavigatorConcurrentHardware {\n open val clipboard: Clipboard\n open val mediaDevices: MediaDevices\n open val maxTouchPoints: Int\n open val serviceWorker: ServiceWorkerContainer\n fun requestMediaKeySystemAccess(keySystem: String, supportedConfigurations: Array<MediaKeySystemConfiguration>): Promise<MediaKeySystemAccess>\n fun getUserMedia(constraints: MediaStreamConstraints, successCallback: (MediaStream) -> Unit, errorCallback: (dynamic) -> Unit)\n fun vibrate(pattern: dynamic): Boolean\n}\n\n\*\*\n \* Exposes the JavaScript

[NavigatorID](https://developer.mozilla.org/en/docs/Web/API/NavigatorID) to Kotlin\n \*^\\npublic external interface NavigatorID {\n val appCodeName: String\n val appName: String\n val appVersion: String\n val platform: String\n val product: String\n val productSub: String\n val userAgent: String\n val vendor: String\n val vendorSub: String\n val oscpu: String\n fun taintEnabled(): Boolean\n}\n\n\*\*\n \* Exposes the JavaScript

[NavigatorLanguage](https://developer.mozilla.org/en/docs/Web/API/NavigatorLanguage) to Kotlin\n \*^\\npublic external interface NavigatorLanguage {\n val language: String\n val languages: Array<out String>\n}\n\npublic external interface NavigatorContentUtils {\n fun registerProtocolHandler(scheme: String, url: String, title: String)\n fun registerContentHandler(mimeType: String, url: String, title: String)\n fun isProtocolHandlerRegistered(scheme: String, url: String): String\n fun isContentHandlerRegistered(mimeType: String, url: String): String\n fun unregisterProtocolHandler(scheme: String, url: String)\n fun unregisterContentHandler(mimeType: String, url: String)\n}\n\npublic external interface NavigatorCookies {\n val cookieEnabled: Boolean\n}\n\n\*\*\n \* Exposes the JavaScript

[NavigatorPlugins](https://developer.mozilla.org/en/docs/Web/API/NavigatorPlugins) to Kotlin\n \*^\\npublic external interface NavigatorPlugins {\n val plugins: PluginArray\n val mimeTypes: MimeTypeError\n fun javaEnabled(): Boolean\n}\n\n\*\*\n \* Exposes the JavaScript

[PluginArray](https://developer.mozilla.org/en/docs/Web/API/PluginArray) to Kotlin\n \*^\\npublic external abstract class PluginArray : ItemArrayLike<Plugin> {\n fun refresh(reload: Boolean = definedExternally)\n override fun item(index: Int): Plugin?\n fun namedItem(name: String): Plugin?\n}\n\n@Suppress(\"INVISIBLE\_REFERENCE\", \"INVISIBLE\_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun PluginArray.get(index: Int): Plugin? = asDynamic()[index]\n\n@Suppress(\"INVISIBLE\_REFERENCE\", \"INVISIBLE\_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun PluginArray.get(name: String): Plugin? = asDynamic()[name]\n\n\*\*\n \* Exposes the JavaScript

[MimeTypeArray](https://developer.mozilla.org/en/docs/Web/API/MimeTypeArray) to Kotlin\n \*^\\npublic external abstract class MimeTypeArray : ItemArrayLike<MimeType> {\n override fun item(index: Int): MimeType?\n fun namedItem(name: String): MimeType?\n}\n\n@Suppress(\"INVISIBLE\_REFERENCE\", \"INVISIBLE\_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun MimeTypeArray.get(index: Int): MimeType? = asDynamic()[index]\n\n@Suppress(\"INVISIBLE\_REFERENCE\", \"INVISIBLE\_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun MimeTypeArray.get(name: String): MimeType? = asDynamic()[name]\n\n\*\*\n \* Exposes the JavaScript

[Plugin](https://developer.mozilla.org/en/docs/Web/API/Plugin) to Kotlin\n \*^\\npublic external abstract class Plugin : ItemArrayLike<MimeType> {\n open val name: String\n open val description: String\n open val filename: String\n override fun item(index: Int): MimeType?\n fun namedItem(name: String): MimeType?\n}\n\n@Suppress(\"INVISIBLE\_REFERENCE\", \"INVISIBLE\_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun Plugin.get(index: Int): MimeType? = asDynamic()[index]\n\n@Suppress(\"INVISIBLE\_REFERENCE\", \"INVISIBLE\_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun Plugin.get(name: String): MimeType? = asDynamic()[name]\n\n\*\*\n \* Exposes the JavaScript

[MimeType](https://developer.mozilla.org/en/docs/Web/API/MimeType) to Kotlin\n \*^\\npublic external abstract class MimeType {\n open val type: String\n open val description: String\n open val suffixes: String\n open

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val enabledPlugin: Plugin\n}\n\n/**\n * Exposes the JavaScript
[ImageBitmap](https://developer.mozilla.org/en/docs/Web/API/ImageBitmap) to Kotlin\n */\npublic external
abstract class ImageBitmap : CanvasImageSource, TexImageSource {\n    open val width: Int\n    open val height:
Int\n    fun close()\n}\n\npublic external interface ImageBitmapOptions {\n    var imageOrientation:
ImageOrientation? /* = ImageOrientation.NONE */\n        get() = definedExternally\n        set(value) =
definedExternally\n    var premultiplyAlpha: PremultiplyAlpha? /* = PremultiplyAlpha.DEFAULT */\n        get() =
definedExternally\n        set(value) = definedExternally\n    var colorSpaceConversion: ColorSpaceConversion? /* =
ColorSpaceConversion.DEFAULT */\n        get() = definedExternally\n        set(value) = definedExternally\n    var
resizeWidth: Int?\n        get() = definedExternally\n        set(value) = definedExternally\n    var resizeHeight: Int?\n
        get() = definedExternally\n        set(value) = definedExternally\n    var resizeQuality: ResizeQuality? /* =
ResizeQuality.LOW */\n        get() = definedExternally\n        set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun
ImageBitmapOptions(imageOrientation: ImageOrientation? = ImageOrientation.NONE, premultiplyAlpha:
PremultiplyAlpha? = PremultiplyAlpha.DEFAULT, colorSpaceConversion: ColorSpaceConversion? =
ColorSpaceConversion.DEFAULT, resizeWidth: Int? = undefined, resizeHeight: Int? = undefined, resizeQuality:
ResizeQuality? = ResizeQuality.LOW): ImageBitmapOptions {\n    val o = js(\"({})\")\n    o[\"imageOrientation\"]
= imageOrientation\n    o[\"premultiplyAlpha\"] = premultiplyAlpha\n    o[\"colorSpaceConversion\"] =
colorSpaceConversion\n    o[\"resizeWidth\"] = resizeWidth\n    o[\"resizeHeight\"] = resizeHeight\n    o[\"resizeQuality\"] = resizeQuality\n    return o\n}\n\n/**\n * Exposes the JavaScript
[MessageEvent](https://developer.mozilla.org/en/docs/Web/API/MessageEvent) to Kotlin\n */\npublic external open
class MessageEvent(type: String, eventInitDict: MessageEventInit = definedExternally) : Event {\n    open val data:
Any?\n    open val origin: String\n    open val lastEventId: String\n    open val source:
UnionMessagePortOrWindowProxy?\n    open val ports: Array<out MessagePort>\n    fun initMessageEvent(type:
String, bubbles: Boolean, cancelable: Boolean, data: Any?, origin: String, lastEventId: String, source:
UnionMessagePortOrWindowProxy?, ports: Array<MessagePort>)\n\n    companion object {\n        val NONE:
Short\n        val CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val BUBBLING_PHASE:
Short\n    }\n}\n\npublic external interface MessageEventInit : EventInit {\n    var data: Any? /* = null */\n        get()
= definedExternally\n        set(value) = definedExternally\n    var origin: String? /* = \"\" */\n        get() =
definedExternally\n        set(value) = definedExternally\n    var lastEventId: String? /* = \"\" */\n        get() =
definedExternally\n        set(value) = definedExternally\n    var source: UnionMessagePortOrWindowProxy? /* =
null */\n        get() = definedExternally\n        set(value) = definedExternally\n    var ports: Array<MessagePort>? /*
= arrayOf() */\n        get() = definedExternally\n        set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun MessageEventInit(data: Any? = null,
origin: String? = \"\", lastEventId: String? = \"\", source: UnionMessagePortOrWindowProxy? = null, ports:
Array<MessagePort>? = arrayOf(), bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): MessageEventInit {\n    val o = js(\"({})\")\n    o[\"data\"] = data\n    o[\"origin\"] = origin\n    o[\"lastEventId\"] = lastEventId\n    o[\"source\"] = source\n    o[\"ports\"] = ports\n    o[\"bubbles\"] = bubbles\n    o[\"cancelable\"] = cancelable\n    o[\"composed\"] = composed\n    return o\n}\n\n/**\n * Exposes the JavaScript
[EventSource](https://developer.mozilla.org/en/docs/Web/API/EventSource) to Kotlin\n */\npublic external open
class EventSource(url: String, eventSourceInitDict: EventSourceInit = definedExternally) : EventTarget {\n    open
val url: String\n    open val withCredentials: Boolean\n    open val readyState: Short\n    var onopen: ((Event) ->
dynamic)?\n    var onmessage: ((MessageEvent) -> dynamic)?\n    var onerror: ((Event) -> dynamic)?\n    fun
close()\n\n    companion object {\n        val CONNECTING: Short\n        val OPEN: Short\n        val CLOSED:
Short\n    }\n}\n\npublic external interface EventSourceInit {\n    var withCredentials: Boolean? /* = false */\n
        get() = definedExternally\n        set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun EventSourceInit(withCredentials:

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```

Boolean? = false): EventSourceInit {\n  val o = js("{}")\n  o["withCredentials"] = withCredentials\n  return o\n}\n\n/**\n * Exposes the JavaScript [WebSocket](https://developer.mozilla.org/en/docs/Web/API/WebSocket) to Kotlin\n *\npublic external open class WebSocket(url: String, protocols: dynamic = definedExternally) :
EventTarget {\n  open val url: String\n  open val readyState: Short\n  open val bufferedAmount: Number\n  var onopen: ((Event) -> dynamic)?\n  var onerror: ((Event) -> dynamic)?\n  var onclose: ((Event) -> dynamic)?\n  open val extensions: String\n  open val protocol: String\n  var onmessage: ((MessageEvent) -> dynamic)?\n  var binaryType: BinaryType\n  fun close(code: Short = definedExternally, reason: String = definedExternally)\n  fun send(data: String)\n  fun send(data: Blob)\n  fun send(data: ArrayBuffer)\n  fun send(data: ArrayBufferView)\n\n  companion object {\n    val CONNECTING: Short\n    val OPEN: Short\n    val CLOSING: Short\n    val CLOSED: Short\n  }\n}\n\n/**\n * Exposes the JavaScript [CloseEvent](https://developer.mozilla.org/en/docs/Web/API/CloseEvent) to Kotlin\n *\npublic external open class CloseEvent(type: String, eventInitDict: CloseEventInit = definedExternally) : Event {\n  open val wasClean: Boolean\n  open val code: Short\n  open val reason: String\n\n  companion object {\n    val NONE: Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n  }\n}\n\npublic external interface CloseEventInit : EventInit {\n  var wasClean: Boolean? /* = false */\n  get() = definedExternally\n  set(value) = definedExternally\n  var code: Short? /* = 0 */\n  get() = definedExternally\n  set(value) = definedExternally\n  var reason: String? /* = "" */\n  get() = definedExternally\n  set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun CloseEventInit(wasClean: Boolean? = false, code: Short? = 0, reason: String? = "", bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): CloseEventInit {\n  val o = js("{}")\n  o["wasClean"] = wasClean\n  o["code"] = code\n  o["reason"] = reason\n  o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n  o["composed"] = composed\n  return o\n}\n\n/**\n * Exposes the JavaScript [MessageChannel](https://developer.mozilla.org/en/docs/Web/API/MessageChannel) to Kotlin\n *\npublic external open class MessageChannel {\n  open val port1: MessagePort\n  open val port2: MessagePort\n}\n\n/**\n * Exposes the JavaScript [MessagePort](https://developer.mozilla.org/en/docs/Web/API/MessagePort) to Kotlin\n *\npublic external abstract class MessagePort : EventTarget, UnionMessagePortOrWindowProxy, UnionMessagePortOrServiceWorker, UnionClientOrMessagePortOrServiceWorker {\n  open var onmessage: ((MessageEvent) -> dynamic)?\n  fun postMessage(message: Any?, transfer: Array<dynamic> = definedExternally)\n  fun start()\n  fun close()\n}\n\n/**\n * Exposes the JavaScript [BroadcastChannel](https://developer.mozilla.org/en/docs/Web/API/BroadcastChannel) to Kotlin\n *\npublic external open class BroadcastChannel(name: String) : EventTarget {\n  open val name: String\n  var onmessage: ((MessageEvent) -> dynamic)?\n  fun postMessage(message: Any?)\n  fun close()\n}\n\n/**\n * Exposes the JavaScript [WorkerGlobalScope](https://developer.mozilla.org/en/docs/Web/API/WorkerGlobalScope) to Kotlin\n *\npublic external abstract class WorkerGlobalScope : EventTarget, WindowOrWorkerGlobalScope, GlobalPerformance {\n  open val self: WorkerGlobalScope\n  open val location: WorkerLocation\n  open val navigator: WorkerNavigator\n  open var onerror: ((dynamic, String, Int, Int, Any?) -> dynamic)?\n  open var onlanguagechange: ((Event) -> dynamic)?\n  open var onoffline: ((Event) -> dynamic)?\n  open var ononline: ((Event) -> dynamic)?\n  open var onrejectionhandled: ((Event) -> dynamic)?\n  open var onunhandledrejection: ((PromiseRejectionEvent) -> dynamic)?\n  fun importScripts(vararg urls: String)\n}\n\n/**\n * Exposes the JavaScript [DedicatedWorkerGlobalScope](https://developer.mozilla.org/en/docs/Web/API/DedicatedWorkerGlobalScope) to Kotlin\n *\npublic external abstract class DedicatedWorkerGlobalScope : WorkerGlobalScope {\n  open var onmessage: ((MessageEvent) -> dynamic)?\n  fun postMessage(message: Any?, transfer: Array<dynamic> = definedExternally)\n  fun close()\n}\n\n/**\n * Exposes the JavaScript [SharedWorkerGlobalScope](https://developer.mozilla.org/en/docs/Web/API/SharedWorkerGlobalScope) to Kotlin\n *\npublic external abstract class SharedWorkerGlobalScope : WorkerGlobalScope {\n  open val name: String\n  open val applicationCache: ApplicationCache\n  open var onconnect: ((Event) -> dynamic)?\n  fun

```

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close()\n}\n\n/**\n * Exposes the JavaScript
[AbstractWorker](https://developer.mozilla.org/en/docs/Web/API/AbstractWorker) to Kotlin\n *\npublic external
interface AbstractWorker {\n    var onerror: ((Event) -> dynamic)?\n        get() = definedExternally\n        set(value)
= definedExternally\n}\n\n/**\n * Exposes the JavaScript
[Worker](https://developer.mozilla.org/en/docs/Web/API/Worker) to Kotlin\n *\npublic external open class
Worker(scriptURL: String, options: WorkerOptions = definedExternally) : EventTarget, AbstractWorker {\n    var
onmessage: ((MessageEvent) -> dynamic)?\n        override var onerror: ((Event) -> dynamic)?\n        fun terminate()\n        fun postMessage(message: Any?, transfer: Array<dynamic> = definedExternally)\n}\n\npublic external interface
WorkerOptions {\n    var type: WorkerType? /* = WorkerType.CLASSIC */\n        get() = definedExternally\n        set(value) = definedExternally\n    var credentials: RequestCredentials? /* = RequestCredentials.OMIT */\n        get() = definedExternally\n        set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun WorkerOptions(type: WorkerType? =
WorkerType.CLASSIC, credentials: RequestCredentials? = RequestCredentials.OMIT): WorkerOptions {\n    val o
= js(\"({})\")\n    o[\"type\"] = type\n    o[\"credentials\"] = credentials\n    return o\n}\n\n/**\n * Exposes the
JavaScript [SharedWorker](https://developer.mozilla.org/en/docs/Web/API/SharedWorker) to Kotlin\n *\npublic
external open class SharedWorker(scriptURL: String, name: String = definedExternally, options: WorkerOptions =
definedExternally) : EventTarget, AbstractWorker {\n    open val port: MessagePort\n        override var onerror:
((Event) -> dynamic)?\n}\n\n/**\n * Exposes the JavaScript
[NavigatorConcurrentHardware](https://developer.mozilla.org/en/docs/Web/API/NavigatorConcurrentHardware) to
Kotlin\n *\npublic external interface NavigatorConcurrentHardware {\n    val hardwareConcurrency:
Number\n}\n\n/**\n * Exposes the JavaScript
[WorkerNavigator](https://developer.mozilla.org/en/docs/Web/API/WorkerNavigator) to Kotlin\n *\npublic
external abstract class WorkerNavigator : NavigatorID, NavigatorLanguage, NavigatorOnLine,
NavigatorConcurrentHardware {\n    open val serviceWorker: ServiceWorkerContainer\n}\n\n/**\n * Exposes the
JavaScript [WorkerLocation](https://developer.mozilla.org/en/docs/Web/API/WorkerLocation) to Kotlin\n
*\npublic external abstract class WorkerLocation {\n    open val href: String\n        open val origin: String\n        open val
protocol: String\n        open val host: String\n        open val hostname: String\n        open val port: String\n        open val
pathname: String\n        open val search: String\n        open val hash: String\n}\n\n/**\n * Exposes the JavaScript
[Storage](https://developer.mozilla.org/en/docs/Web/API/Storage) to Kotlin\n *\npublic external abstract class
Storage {\n    open val length: Int\n        fun key(index: Int): String?\n        fun removeItem(key: String)\n        fun clear()\n        fun getItem(key: String): String?\n        fun setItem(key: String, value:
String)\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun Storage.get(key: String):
String? = asDynamic()[key]\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun Storage.set(key: String, value:
String) { asDynamic()[key] = value }\n\n/**\n * Exposes the JavaScript
[WindowSessionStorage](https://developer.mozilla.org/en/docs/Web/API/WindowSessionStorage) to Kotlin\n
*\npublic external interface WindowSessionStorage {\n    val sessionStorage: Storage\n}\n\n/**\n * Exposes the
JavaScript [WindowLocalStorage](https://developer.mozilla.org/en/docs/Web/API/WindowLocalStorage) to
Kotlin\n *\npublic external interface WindowLocalStorage {\n    val localStorage: Storage\n}\n\n/**\n * Exposes
the JavaScript [StorageEvent](https://developer.mozilla.org/en/docs/Web/API/StorageEvent) to Kotlin\n *\npublic
external open class StorageEvent(type: String, eventInitDict: StorageEventInit = definedExternally) : Event {\n
    open val key: String?\n        open val oldValue: String?\n        open val newValue: String?\n        open val url: String\n        open val storageArea: Storage?\n\n    companion object {\n        val NONE: Short\n            val CAPTURING_PHASE:
Short\n            val AT_TARGET: Short\n            val BUBBLING_PHASE: Short\n        }\n}\n\npublic external interface
StorageEventInit : EventInit {\n    var key: String? /* = null */\n        get() = definedExternally\n        set(value) =
definedExternally\n    var oldValue: String? /* = null */\n        get() = definedExternally\n        set(value) =
definedExternally\n    var newValue: String? /* = null */\n        get() = definedExternally\n        set(value) =
definedExternally\n}

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definedExternally\n var url: String? /* = \"\" */\n get() = definedExternally\n set(value) =
definedExternally\n var storageArea: Storage? /* = null */\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun StorageEventInit(key: String? = null,
oldValue: String? = null, newValue: String? = null, url: String? = \"\", storageArea: Storage? = null, bubbles:
Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): StorageEventInit {\n val o =
js(\"({})\")\n o[\"key\"] = key\n o[\"oldValue\"] = oldValue\n o[\"newValue\"] = newValue\n o[\"url\"] =
url\n o[\"storageArea\"] = storageArea\n o[\"bubbles\"] = bubbles\n o[\"cancelable\"] = cancelable\n
o[\"composed\"] = composed\n return o}\n\npublic external abstract class HTMLAppletElement :
HTMLInputElement {\n open var align: String\n open var alt: String\n open var archive: String\n open var code:
String\n open var codeBase: String\n open var height: String\n open var hspace: Int\n open var name:
String\n open var _object: String\n open var vspace: Int\n open var width: String\n\n companion object {\n
val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLMarqueeElement](https://developer.mozilla.org/en/docs/Web/API/HTMLMarqueeElement) to Kotlin\n
*/\npublic external abstract class HTMLMarqueeElement : HTMLInputElement {\n open var behavior: String\n open
var bgColor: String\n open var direction: String\n open var height: String\n open var hspace: Int\n open var
loop: Int\n open var scrollAmount: Int\n open var scrollDelay: Int\n open var trueSpeed: Boolean\n open var
vspace: Int\n open var width: String\n open var onbounce: ((Event) -> dynamic)?\n open var onfinish: ((Event)
-> dynamic)?\n open var onstart: ((Event) -> dynamic)?\n fun start()\n fun stop()\n\n companion object {\n
val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLFrameSetElement](https://developer.mozilla.org/en/docs/Web/API/HTMLFrameSetElement) to Kotlin\n
*/\npublic external abstract class HTMLFrameSetElement : HTMLInputElement, WindowEventHandlers {\n open var
cols: String\n open var rows: String\n\n companion object {\n val ELEMENT_NODE: Short\n val
ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\npublic external abstract class

```



```

EventInit {n var detail: Any? /* = null */n get() = definedExternallyn set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun CustomEventInit(detail: Any? = null,
bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): CustomEventInit {n val o
= js("{}")\n o["detail"] = detail\n o["bubbles"] = bubbles\n o["cancelable"] = cancelable\n
o["composed"] = composed\n return o\n}\n\npublic external interface EventListenerOptions {n var capture:
Boolean? /* = false */n get() = definedExternallyn set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun EventListenerOptions(capture:
Boolean? = false): EventListenerOptions {n val o = js("{}")\n o["capture"] = capture\n return
o\n}\n\npublic external interface AddEventListenerOptions : EventListenerOptions {n var passive: Boolean? /* =
false */n get() = definedExternallyn set(value) = definedExternallyn var once: Boolean? /* = false */n
get() = definedExternallyn set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun AddEventListenerOptions(passive:
Boolean? = false, once: Boolean? = false, capture: Boolean? = false): AddEventListenerOptions {n val o =
js("{}")\n o["passive"] = passive\n o["once"] = once\n o["capture"] = capture\n return o\n}\n\npublic
external interface NonElementParentNode {n fun getElementById(elementId: String): Element?\n}\n\n/**\n *
Exposes the JavaScript
[DocumentOrShadowRoot](https://developer.mozilla.org/en/docs/Web/API/DocumentOrShadowRoot) to Kotlin\n
*/n\npublic external interface DocumentOrShadowRoot {n val fullscreenElement: Element?\n get() =
definedExternally\n}\n\n/**\n * Exposes the JavaScript
[ParentNode](https://developer.mozilla.org/en/docs/Web/API/ParentNode) to Kotlin\n
*/n\npublic external interface
ParentNode {n val children: HTMLCollection\n val firstElementChild: Element?\n get() =
definedExternally\n val lastElementChild: Element?\n get() = definedExternally\n val childElementCount:
Int\n fun prepend(vararg nodes: dynamic)\n fun append(vararg nodes: dynamic)\n fun querySelector(selectors:
String): Element?\n fun querySelectorAll(selectors: String): NodeList\n}\n\n/**\n * Exposes the JavaScript
[NonDocumentTypeChildNode](https://developer.mozilla.org/en/docs/Web/API/NonDocumentTypeChildNode) to
Kotlin\n
*/n\npublic external interface NonDocumentTypeChildNode {n val previousElementSibling: Element?\n
get() = definedExternally\n val nextElementSibling: Element?\n get() = definedExternally\n}\n\n/**\n *
Exposes the JavaScript [ChildNode](https://developer.mozilla.org/en/docs/Web/API/ChildNode) to Kotlin\n
*/n\npublic external interface ChildNode {n fun before(vararg nodes: dynamic)\n fun after(vararg nodes:
dynamic)\n fun replaceWith(vararg nodes: dynamic)\n fun remove()\n}\n\n/**\n * Exposes the JavaScript
[Slotable](https://developer.mozilla.org/en/docs/Web/API/Slotable) to Kotlin\n
*/n\npublic external interface Slotable
{n val assignedSlot: HTMLSlotElement?\n get() = definedExternally\n}\n\n/**\n * Exposes the JavaScript
[NodeList](https://developer.mozilla.org/en/docs/Web/API/NodeList) to Kotlin\n
*/n\npublic external abstract class
NodeList : ItemArrayLike<Node> {n override fun item(index: Int):
Node?\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun NodeList.get(index: Int):
Node? = asDynamic()[index]\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun NodeList.get(name:
String): Element? = asDynamic()[name]\n\n/**\n * Exposes the JavaScript
[MutationObserver](https://developer.mozilla.org/en/docs/Web/API/MutationObserver) to Kotlin\n
*/n\npublic

```



```

Boolean? = false): GetRootNodeOptions {
    val o = js("{}")
    o["composed"] = composed
    return o
}

/** Exposes the JavaScript [Document](https://developer.mozilla.org/en/docs/Web/API/Document) to Kotlin */
public external open class Document : Node, GlobalEventHandlers,
    DocumentAndElementEventHandlers, NonElementParentNode, DocumentOrShadowRoot, ParentNode,
    GeometryUtils {
    open val implementation: DOMImplementation
    open val URL: String
    open val documentURI: String
    open val origin: String
    open val compatMode: String
    open val characterSet: String
    open val charset: String
    open val inputEncoding: String
    open val contentType: String
    open val doctype: DocumentType?
    open val documentElement: Element?
    open val location: Location?
    var domain: String
    open val referrer: String
    var cookie: String
    open val lastModified: String
    open val readyState: DocumentReadyState
    var title: String
    var dir: String
    var body: HTMLElement?
    open val head: HTMLHeadElement?
    open val images: HTMLCollection
    open val embeds: HTMLCollection
    open val plugins: HTMLCollection
    open val links: HTMLCollection
    open val forms: HTMLCollection
    open val scripts: HTMLCollection
    open val currentScript: HTMLScriptElement?
    open val defaultView: Window?
    open val activeElement: Element?
    var designMode: String
    var onreadystatechange: ((Event) -> dynamic)?
    var fgColor: String
    var linkColor: String
    var vlinkColor: String
    var alinkColor: String
    var bgColor: String
    open val anchors: HTMLCollection
    open val applets: HTMLCollection
    open val all: HTMLAllCollection
    open val scrollingElement: Element?
    open val styleSheets: StyleSheetList
    open val rootElement: SVGSVGElement?
    open val fullscreenEnabled: Boolean
    open val fullscreen: Boolean
    var onfullscreenchange: ((Event) -> dynamic)?
    var onfullscreenerror: ((Event) -> dynamic)?
    override var onabort: ((Event) -> dynamic)?
    override var onblur: ((FocusEvent) -> dynamic)?
    override var oncancel: ((Event) -> dynamic)?
    override var oncanplay: ((Event) -> dynamic)?
    override var oncanplaythrough: ((Event) -> dynamic)?
    override var onchange: ((Event) -> dynamic)?
    override var onclick: ((MouseEvent) -> dynamic)?
    override var onclose: ((Event) -> dynamic)?
    override var oncontextmenu: ((MouseEvent) -> dynamic)?
    override var oncuechange: ((Event) -> dynamic)?
    override var ondblclick: ((MouseEvent) -> dynamic)?
    override var ondrag: ((DragEvent) -> dynamic)?
    override var ondragend: ((DragEvent) -> dynamic)?
    override var ondragenter: ((DragEvent) -> dynamic)?
    override var ondragexit: ((DragEvent) -> dynamic)?
    override var ondragleave: ((DragEvent) -> dynamic)?
    override var ondragover: ((DragEvent) -> dynamic)?
    override var ondragstart: ((DragEvent) -> dynamic)?
    override var ondrop: ((DragEvent) -> dynamic)?
    override var ondurationchange: ((Event) -> dynamic)?
    override var onemptied: ((Event) -> dynamic)?
    override var onended: ((Event) -> dynamic)?
    override var onerror: ((dynamic, String, Int, Int, Any?) -> dynamic)?
    override var onfocus: ((FocusEvent) -> dynamic)?
    override var oninput: ((InputEvent) -> dynamic)?
    override var oninvalid: ((Event) -> dynamic)?
    override var onkeydown: ((KeyboardEvent) -> dynamic)?
    override var onkeypress: ((KeyboardEvent) -> dynamic)?
    override var onkeyup: ((KeyboardEvent) -> dynamic)?
    override var onload: ((Event) -> dynamic)?
    override var onloadeddata: ((Event) -> dynamic)?
    override var onloadedmetadata: ((Event) -> dynamic)?
    override var onloadend: ((Event) -> dynamic)?
    override var onloadstart: ((ProgressEvent) -> dynamic)?
    override var onmousedown: ((MouseEvent) -> dynamic)?
    override var onmouseenter: ((MouseEvent) -> dynamic)?
    override var onmouseleave: ((MouseEvent) -> dynamic)?
    override var onmousemove: ((MouseEvent) -> dynamic)?
    override var onmouseout: ((MouseEvent) -> dynamic)?
    override var onmouseover: ((MouseEvent) -> dynamic)?
    override var onmouseup: ((MouseEvent) -> dynamic)?
    override var onwheel: ((WheelEvent) -> dynamic)?
    override var onpause: ((Event) -> dynamic)?
    override var onplay: ((Event) -> dynamic)?
    override var onplaying: ((Event) -> dynamic)?
    override var onprogress: ((ProgressEvent) -> dynamic)?
    override var onratechange: ((Event) -> dynamic)?
    override var onreset: ((Event) -> dynamic)?
    override var onresize: ((Event) -> dynamic)?
    override var onscroll: ((Event) -> dynamic)?
    override var onseeked: ((Event) -> dynamic)?
    override var onseeking: ((Event) -> dynamic)?
    override var onselect: ((Event) -> dynamic)?
    override var onshow: ((Event) -> dynamic)?
    override var onstalled: ((Event) -> dynamic)?
    override var onsubmit: ((Event) -> dynamic)?
    override var onsuspend: ((Event) -> dynamic)?
    override var ontimeupdate: ((Event) -> dynamic)?
    override var ontoggle: ((Event) -> dynamic)?
    override var

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```

onvolumechange: ((Event) -> dynamic)?\n  override var onwaiting: ((Event) -> dynamic)?\n  override var
ongotpointercapture: ((PointerEvent) -> dynamic)?\n  override var onlostpointercapture: ((PointerEvent) ->
dynamic)?\n  override var onpointerdown: ((PointerEvent) -> dynamic)?\n  override var onpointermove:
((PointerEvent) -> dynamic)?\n  override var onpointerup: ((PointerEvent) -> dynamic)?\n  override var
onpointercancel: ((PointerEvent) -> dynamic)?\n  override var onpointerover: ((PointerEvent) -> dynamic)?\n
override var onpointerout: ((PointerEvent) -> dynamic)?\n  override var onpointerenter: ((PointerEvent) ->
dynamic)?\n  override var onpointerleave: ((PointerEvent) -> dynamic)?\n  override var oncopy:
((ClipboardEvent) -> dynamic)?\n  override var oncut: ((ClipboardEvent) -> dynamic)?\n  override var onpaste:
((ClipboardEvent) -> dynamic)?\n  override val fullscreenElement: Element?\n  override val children:
HTMLCollection\n  override val firstElementChild: Element?\n  override val lastElementChild: Element?\n
override val childElementCount: Int\n  fun getElementsByTagName(qualifiedName: String): HTMLCollection\n
fun getElementsByTagNameNS(namespace: String?, localName: String): HTMLCollection\n  fun
getElementsByTagName(className: String): HTMLCollection\n  fun createElement(localName: String,
options: ElementCreationOptions = definedExternally): Element\n  fun createElementNS(namespace: String?,
qualifiedName: String, options: ElementCreationOptions = definedExternally): Element\n  fun
createDocumentFragment(): DocumentFragment\n  fun createTextNode(data: String): Text\n  fun
createCDATASection(data: String): CDATASection\n  fun createComment(data: String): Comment\n  fun
createProcessingInstruction(target: String, data: String): ProcessingInstruction\n  fun importNode(node: Node,
deep: Boolean = definedExternally): Node\n  fun adoptNode(node: Node): Node\n  fun
createAttribute(localName: String): Attr\n  fun createAttributeNS(namespace: String?, qualifiedName: String):
Attr\n  fun createEvent(`interface`: String): Event\n  fun createRange(): Range\n  fun createNodeIterator(root:
Node, whatToShow: Int = definedExternally, filter: NodeFilter? = definedExternally): NodeIterator\n  fun
createNodeIterator(root: Node, whatToShow: Int = definedExternally, filter: ((Node) -> Short)? =
definedExternally): NodeIterator\n  fun createTreeWalker(root: Node, whatToShow: Int = definedExternally, filter:
NodeFilter? = definedExternally): TreeWalker\n  fun createTreeWalker(root: Node, whatToShow: Int =
definedExternally, filter: ((Node) -> Short)? = definedExternally): TreeWalker\n  fun
getElementsByTagName(elementName: String): NodeList\n  fun open(type: String = definedExternally, replace:
String = definedExternally): Document\n  fun open(url: String, name: String, features: String): Window\n  fun
close()\n  fun write(vararg text: String)\n  fun writeln(vararg text: String)\n  fun hasFocus(): Boolean\n  fun
execCommand(commandId: String, showUI: Boolean = definedExternally, value: String = definedExternally):
Boolean\n  fun queryCommandEnabled(commandId: String): Boolean\n  fun
queryCommandIndeterm(commandId: String): Boolean\n  fun queryCommandState(commandId: String):
Boolean\n  fun queryCommandSupported(commandId: String): Boolean\n  fun
queryCommandValue(commandId: String): String\n  fun clear()\n  fun captureEvents()\n  fun releaseEvents()\n
fun elementFromPoint(x: Double, y: Double): Element?\n  fun elementsFromPoint(x: Double, y: Double):
Array<Element>\n  fun caretPositionFromPoint(x: Double, y: Double): CaretPosition?\n  fun createTouch(view:
Window, target: EventTarget, identifier: Int, pageX: Int, pageY: Int, screenX: Int, screenY: Int): Touch\n  fun
createTouchList(vararg touches: Touch): TouchList\n  fun exitFullscreen(): Promise<Unit>\n  override fun
getElementById(elementId: String): Element?\n  override fun prepend(vararg nodes: dynamic)\n  override fun
append(vararg nodes: dynamic)\n  override fun querySelector(selectors: String): Element?\n  override fun
querySelectorAll(selectors: String): NodeList\n  override fun getBoxQuads(options: BoxQuadOptions /* =
definedExternally */): Array<DOMQuad>\n  override fun convertQuadFromNode(quad: dynamic, from: dynamic,
options: ConvertCoordinateOptions /* = definedExternally */): DOMQuad\n  override fun
convertRectFromNode(rect: DOMRectReadOnly, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMQuad\n  override fun convertPointFromNode(point: DOMPointInit, from: dynamic,
options: ConvertCoordinateOptions /* = definedExternally */): DOMPoint\n\n  companion object {\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:

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Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n
}\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun Document.get(name: String):
dynamic = asDynamic()[name]\n\n/**\n * Exposes the JavaScript
[XMLDocument](https://developer.mozilla.org/en/docs/Web/API/XMLDocument) to Kotlin\n *\npublic external
open class XMLDocument : Document {\n    companion object {\n        val ELEMENT_NODE: Short\n        val
ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\npublic external interface
ElementCreationOptions {\n    var `is`: String?\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun ElementCreationOptions(`is`: String?
= undefined): ElementCreationOptions {\n    val o = js("{}")\n    o["is"] = `is`\n    return o\n}\n\n/**\n *
Exposes the JavaScript
[DOMImplementation](https://developer.mozilla.org/en/docs/Web/API/DOMImplementation) to Kotlin\n
*\npublic external abstract class DOMImplementation {\n    fun createDocumentType(qualifiedName: String,
publicId: String, systemId: String): DocumentType\n    fun createDocument(namespace: String?, qualifiedName:
String, doctype: DocumentType? = definedExternally): XMLDocument\n    fun createHTMLDocument(title: String
= definedExternally): Document\n    fun hasFeature(): Boolean\n}\n\n/**\n * Exposes the JavaScript
[DocumentType](https://developer.mozilla.org/en/docs/Web/API/DocumentType) to Kotlin\n *\npublic external
abstract class DocumentType : Node, ChildNode {\n    open val name: String\n    open val publicId: String\n    open
val systemId: String\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE:
Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[DocumentFragment](https://developer.mozilla.org/en/docs/Web/API/DocumentFragment) to Kotlin\n *\npublic
external open class DocumentFragment : Node, NonElementParentNode, ParentNode {\n    override val children:
HTMLCollection\n    override val firstElementChild: Element?\n    override val lastElementChild: Element?\n
    override val childElementCount: Int\n    override fun getElementById(elementId: String): Element?\n
    override fun
prepend(vararg nodes: dynamic)\n    override fun append(vararg nodes: dynamic)\n    override fun

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querySelector(selectors: String): Element? \n  override fun querySelectorAll(selectors: String): NodeList \n \n
companion object { \n    val ELEMENT_NODE: Short \n    val ATTRIBUTE_NODE: Short \n    val
TEXT_NODE: Short \n    val CDATA_SECTION_NODE: Short \n    val ENTITY_REFERENCE_NODE:
Short \n    val ENTITY_NODE: Short \n    val PROCESSING_INSTRUCTION_NODE: Short \n    val
COMMENT_NODE: Short \n    val DOCUMENT_NODE: Short \n    val DOCUMENT_TYPE_NODE: Short \n
    val DOCUMENT_FRAGMENT_NODE: Short \n    val NOTATION_NODE: Short \n    val
DOCUMENT_POSITION_DISCONNECTED: Short \n    val DOCUMENT_POSITION_PRECEDING: Short \n
    val DOCUMENT_POSITION_FOLLOWING: Short \n    val DOCUMENT_POSITION_CONTAINS: Short \n
    val DOCUMENT_POSITION_CONTAINED_BY: Short \n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short \n } \n} \n \n /** \n * Exposes the JavaScript
[ShadowRoot](https://developer.mozilla.org/en/docs/Web/API/ShadowRoot) to Kotlin \n * \n public external open
class ShadowRoot : DocumentFragment, DocumentOrShadowRoot { \n    open val mode: ShadowRootMode \n
open val host: Element \n    override val fullscreenElement: Element? \n \n    companion object { \n        val
ELEMENT_NODE: Short \n        val ATTRIBUTE_NODE: Short \n        val TEXT_NODE: Short \n        val
CDATA_SECTION_NODE: Short \n        val ENTITY_REFERENCE_NODE: Short \n        val ENTITY_NODE:
Short \n        val PROCESSING_INSTRUCTION_NODE: Short \n        val COMMENT_NODE: Short \n        val
DOCUMENT_NODE: Short \n        val DOCUMENT_TYPE_NODE: Short \n        val
DOCUMENT_FRAGMENT_NODE: Short \n        val NOTATION_NODE: Short \n        val
DOCUMENT_POSITION_DISCONNECTED: Short \n        val DOCUMENT_POSITION_PRECEDING: Short \n
        val DOCUMENT_POSITION_FOLLOWING: Short \n        val DOCUMENT_POSITION_CONTAINS: Short \n
        val DOCUMENT_POSITION_CONTAINED_BY: Short \n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short \n    } \n} \n \n /** \n * Exposes the JavaScript
[Element](https://developer.mozilla.org/en/docs/Web/API/Element) to Kotlin \n * \n public external abstract class
Element : Node, ParentNode, NonDocumentTypeChildNode, ChildNode, Slotable, GeometryUtils,
UnionElementOrHTMLCollection, UnionElementOrRadioNodeList, UnionElementOrMouseEvent,
UnionElementOrProcessingInstruction { \n    open val namespaceURI: String? \n    open val prefix: String? \n    open
val localName: String \n    open val tagName: String \n    open var id: String \n    open var className: String \n    open
val classList: DOMTokenList \n    open var slot: String \n    open val attributes: NamedNodeMap \n    open val
shadowRoot: ShadowRoot? \n    open var scrollTop: Double \n    open var scrollLeft: Double \n    open val
scrollWidth: Int \n    open val scrollHeight: Int \n    open val clientTop: Int \n    open val clientLeft: Int \n    open val
clientWidth: Int \n    open val clientHeight: Int \n    open var innerHTML: String \n    open var outerHTML: String \n
fun hasAttributes(): Boolean \n    fun getAttributeNames(): Array<String> \n    fun getAttribute(qualifiedName:
String): String? \n    fun getAttributeNS(namespace: String?, localName: String): String? \n    fun
setAttribute(qualifiedName: String, value: String) \n    fun setAttributeNS(namespace: String?, qualifiedName:
String, value: String) \n    fun removeAttribute(qualifiedName: String) \n    fun removeAttributeNS(namespace:
String?, localName: String) \n    fun hasAttribute(qualifiedName: String): Boolean \n    fun
hasAttributeNS(namespace: String?, localName: String): Boolean \n    fun getAttributeNode(qualifiedName: String):
Attr? \n    fun getAttributeNodeNS(namespace: String?, localName: String): Attr? \n    fun setAttributeNode(attr:
Attr): Attr? \n    fun setAttributeNodeNS(attr: Attr): Attr? \n    fun removeAttributeNode(attr: Attr): Attr \n    fun
attachShadow(init: ShadowRootInit): ShadowRoot \n    fun closest(selectors: String): Element? \n    fun
matches(selectors: String): Boolean \n    fun webkitMatchesSelector(selectors: String): Boolean \n    fun
getElementsByTagName(qualifiedName: String): HTMLCollection \n    fun
getElementsByTagNameNS(namespace: String?, localName: String): HTMLCollection \n    fun
getElementsByClassName(classNames: String): HTMLCollection \n    fun insertAdjacentElement(where: String,
element: Element): Element? \n    fun insertAdjacentText(where: String, data: String) \n    fun getClientRects():
Array<DOMRect> \n    fun getBoundingClientRect(): DOMRect \n    fun scrollIntoView() \n    fun
scrollIntoView(arg: dynamic) \n    fun scroll(options: ScrollToOptions = definedExternally) \n    fun scroll(x: Double,
y: Double) \n    fun scrollTo(options: ScrollToOptions = definedExternally) \n    fun scrollTo(x: Double, y: Double) \n

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fun scrollBy(options: ScrollToOptions = definedExternally)\n fun scrollBy(x: Double, y: Double)\n fun
insertAdjacentHTML(position: String, text: String)\n fun setPointerCapture(pointerId: Int)\n fun
releasePointerCapture(pointerId: Int)\n fun hasPointerCapture(pointerId: Int): Boolean\n fun requestFullscreen():
Promise<Unit>\n\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE:
Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n\n\npublic external interface
ShadowRootInit {\n var mode: ShadowRootMode?\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun ShadowRootInit(mode:
ShadowRootMode?): ShadowRootInit {\n val o = js(\"({})\")\n o[\"mode\"] = mode\n return o\n}\n\n/**\n *
Exposes the JavaScript [NamedNodeMap](https://developer.mozilla.org/en/docs/Web/API/NamedNodeMap) to
Kotlin\n *\npublic external abstract class NamedNodeMap : ItemArrayLike<Attr> {\n fun
getNamedItemNS(namespace: String?, localName: String): Attr?\n fun setNamedItem(attr: Attr): Attr?\n fun
setNamedItemNS(attr: Attr): Attr?\n fun removeNamedItem(qualifiedName: String): Attr\n fun
removeNamedItemNS(namespace: String?, localName: String): Attr\n override fun item(index: Int): Attr?\n fun
getNamedItem(qualifiedName: String): Attr?\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun NamedNodeMap.get(index:
Int): Attr? = asDynamic()[index]\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun
NamedNodeMap.get(qualifiedName: String): Attr? = asDynamic()[qualifiedName]\n\n/**\n * Exposes the
JavaScript [Attr](https://developer.mozilla.org/en/docs/Web/API/Attr) to Kotlin\n *\npublic external abstract class
Attr : Node {\n open val namespaceURI: String?\n open val prefix: String?\n open val localName: String\n
open val name: String\n open var value: String\n open val ownerElement: Element?\n open val specified:
Boolean\n\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n
val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE:
Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val
COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n
val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[CharacterData](https://developer.mozilla.org/en/docs/Web/API/CharacterData) to Kotlin\n *\npublic external
abstract class CharacterData : Node, NonDocumentTypeChildNode, ChildNode {\n open var data: String\n open
val length: Int\n fun substringData(offset: Int, count: Int): String\n fun appendData(data: String)\n fun
insertData(offset: Int, data: String)\n fun deleteData(offset: Int, count: Int)\n fun replaceData(offset: Int, count:
Int, data: String)\n\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE:
Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val

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DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[Text](https://developer.mozilla.org/en/docs/Web/API/Text) to Kotlin \n * \n public external open class Text(data:
String = definedExternally) : CharacterData, Slotable, GeometryUtils { \n    open val wholeText: String \n    override
val assignedSlot: HTMLSlotElement? \n    override val previousElementSibling: Element? \n    override val
nextElementSibling: Element? \n    fun splitText(offset: Int): Text \n    override fun getBoxQuads(options:
BoxQuadOptions /* = definedExternally */): Array<DOMQuad> \n    override fun convertQuadFromNode(quad:
dynamic, from: dynamic, options: ConvertCoordinateOptions /* = definedExternally */): DOMQuad \n    override
fun convertRectFromNode(rect: DOMRectReadOnly, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMQuad \n    override fun convertPointFromNode(point: DOMPointInit, from: dynamic,
options: ConvertCoordinateOptions /* = definedExternally */): DOMPoint \n    override fun before(vararg nodes:
dynamic) \n    override fun after(vararg nodes: dynamic) \n    override fun replaceWith(vararg nodes: dynamic) \n
    override fun remove() \n \n    companion object { \n        val ELEMENT_NODE: Short \n        val
ATTRIBUTE_NODE: Short \n        val TEXT_NODE: Short \n        val CDATA_SECTION_NODE: Short \n        val
ENTITY_REFERENCE_NODE: Short \n        val ENTITY_NODE: Short \n        val
PROCESSING_INSTRUCTION_NODE: Short \n        val COMMENT_NODE: Short \n        val
DOCUMENT_NODE: Short \n        val DOCUMENT_TYPE_NODE: Short \n        val
DOCUMENT_FRAGMENT_NODE: Short \n        val NOTATION_NODE: Short \n        val
DOCUMENT_POSITION_DISCONNECTED: Short \n        val DOCUMENT_POSITION_PRECEDING: Short \n
        val DOCUMENT_POSITION_FOLLOWING: Short \n        val DOCUMENT_POSITION_CONTAINS: Short \n
        val DOCUMENT_POSITION_CONTAINED_BY: Short \n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short \n    } \n} \n \n /** \n * Exposes the JavaScript
[CDATASection](https://developer.mozilla.org/en/docs/Web/API/CDATASection) to Kotlin \n * \n public external
open class CDATASection : Text { \n    companion object { \n        val ELEMENT_NODE: Short \n        val
ATTRIBUTE_NODE: Short \n        val TEXT_NODE: Short \n        val CDATA_SECTION_NODE: Short \n        val
ENTITY_REFERENCE_NODE: Short \n        val ENTITY_NODE: Short \n        val
PROCESSING_INSTRUCTION_NODE: Short \n        val COMMENT_NODE: Short \n        val
DOCUMENT_NODE: Short \n        val DOCUMENT_TYPE_NODE: Short \n        val
DOCUMENT_FRAGMENT_NODE: Short \n        val NOTATION_NODE: Short \n        val
DOCUMENT_POSITION_DISCONNECTED: Short \n        val DOCUMENT_POSITION_PRECEDING: Short \n
        val DOCUMENT_POSITION_FOLLOWING: Short \n        val DOCUMENT_POSITION_CONTAINS: Short \n
        val DOCUMENT_POSITION_CONTAINED_BY: Short \n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short \n    } \n} \n \n /** \n * Exposes the JavaScript
[ProcessingInstruction](https://developer.mozilla.org/en/docs/Web/API/ProcessingInstruction) to Kotlin \n
* \n public external abstract class ProcessingInstruction : CharacterData, LinkStyle,
UnionElementOrProcessingInstruction { \n    open val target: String \n \n    companion object { \n        val
ELEMENT_NODE: Short \n        val ATTRIBUTE_NODE: Short \n        val TEXT_NODE: Short \n        val
CDATA_SECTION_NODE: Short \n        val ENTITY_REFERENCE_NODE: Short \n        val ENTITY_NODE:
Short \n        val PROCESSING_INSTRUCTION_NODE: Short \n        val COMMENT_NODE: Short \n        val
DOCUMENT_NODE: Short \n        val DOCUMENT_TYPE_NODE: Short \n        val
DOCUMENT_FRAGMENT_NODE: Short \n        val NOTATION_NODE: Short \n        val
DOCUMENT_POSITION_DISCONNECTED: Short \n        val DOCUMENT_POSITION_PRECEDING: Short \n
        val DOCUMENT_POSITION_FOLLOWING: Short \n        val DOCUMENT_POSITION_CONTAINS: Short \n
        val DOCUMENT_POSITION_CONTAINED_BY: Short \n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short \n    } \n} \n \n /** \n * Exposes the JavaScript
[Comment](https://developer.mozilla.org/en/docs/Web/API/Comment) to Kotlin \n * \n public external open class

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```

Comment(data: String = definedExternally) : CharacterData {
    override val previousElementSibling: Element?
    override val nextElementSibling: Element?
    override fun before(vararg nodes: dynamic)
    override fun after(vararg nodes: dynamic)
    override fun replaceWith(vararg nodes: dynamic)
    override fun remove()
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}

/** Exposes the JavaScript [Range](https://developer.mozilla.org/en/docs/Web/API/Range) to Kotlin */
public external open class Range {
    open val startContainer: Node
    open val startOffset: Int
    open val endContainer: Node
    open val endOffset: Int
    open val collapsed: Boolean
    open val commonAncestorContainer: Node
    fun setStart(node: Node, offset: Int)
    fun setEnd(node: Node, offset: Int)
    fun setStartBefore(node: Node)
    fun setStartAfter(node: Node)
    fun setEndBefore(node: Node)
    fun setEndAfter(node: Node)
    fun collapse(toStart: Boolean = definedExternally)
    fun selectNode(node: Node)
    fun selectNodeContents(node: Node)
    fun compareBoundaryPoints(how: Short, sourceRange: Range): Short
    fun deleteContents()
    fun extractContents(): DocumentFragment
    fun cloneContents(): DocumentFragment
    fun insertNode(node: Node)
    fun surroundContents(newParent: Node)
    fun cloneRange(): Range
    fun detach()
    fun isPointInRange(node: Node, offset: Int): Boolean
    fun comparePoint(node: Node, offset: Int): Short
    fun intersectsNode(node: Node): Boolean
    fun getClientRects(): Array<DOMRect>
    fun getBoundingClientRect(): DOMRect
    fun createContextualFragment(fragment: String): DocumentFragment
}

companion object {
    val START_TO_START: Short
    val START_TO_END: Short
    val END_TO_END: Short
    val END_TO_START: Short
}

/** Exposes the JavaScript [NodeIterator](https://developer.mozilla.org/en/docs/Web/API/NodeIterator) to Kotlin */
public external abstract class NodeIterator {
    open val root: Node
    open val referenceNode: Node
    open val pointerBeforeReferenceNode: Boolean
    open val whatToShow: Int
    open val filter: NodeFilter?
    fun nextNode(): Node?
    fun previousNode(): Node?
    fun detach()
}

/** Exposes the JavaScript [TreeWalker](https://developer.mozilla.org/en/docs/Web/API/TreeWalker) to Kotlin */
public external abstract class TreeWalker {
    open val root: Node
    open val whatToShow: Int
    open val filter: NodeFilter?
    open var currentNode: Node
    fun parentNode(): Node?
    fun firstChild(): Node?
    fun lastChild(): Node?
    fun previousSibling(): Node?
    fun nextSibling(): Node?
    fun previousNode(): Node?
    fun nextNode(): Node?
}

/** Exposes the JavaScript [NodeFilter](https://developer.mozilla.org/en/docs/Web/API/NodeFilter) to Kotlin */
@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")
public external interface NodeFilter {
    fun acceptNode(node: Node): Short
    companion object {
        val FILTER_ACCEPT: Short
        val FILTER_REJECT: Short
        val FILTER_SKIP: Short
        val SHOW_ALL: Int
        val SHOW_ELEMENT: Int
        val SHOW_ATTRIBUTE: Int
        val SHOW_TEXT: Int
        val SHOW_CDATA_SECTION: Int
        val SHOW_ENTITY_REFERENCE: Int
        val SHOW_ENTITY: Int
        val SHOW_PROCESSING_INSTRUCTION: Int
        val SHOW_COMMENT: Int
        val SHOW_DOCUMENT: Int
        val SHOW_DOCUMENT_TYPE: Int
        val SHOW_DOCUMENT_FRAGMENT: Int
        val SHOW_NOTATION: Int
    }
}

/** Exposes the JavaScript [DOMTokenList](https://developer.mozilla.org/en/docs/Web/API/DOMTokenList) to Kotlin */
public external abstract class DOMTokenList : ItemArrayLike<String> {
    open var value: String
    fun contains(token: String): Boolean
    fun add(vararg tokens: String)
    fun remove(vararg tokens: String)
    fun toggle(token: String, force: Boolean = definedExternally): Boolean
    fun replace(token: String, newToken: String)
    fun

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supports(token: String): Boolean\n    override fun item(index: Int):
String?\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun DOMTokenList.get(index:
Int): String? = asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[DOMPointReadOnly](https://developer.mozilla.org/en/docs/Web/API/DOMPointReadOnly) to Kotlin\n */\npublic
external open class DOMPointReadOnly(x: Double, y: Double, z: Double, w: Double) {\n    open val x: Double\n
open val y: Double\n    open val z: Double\n    open val w: Double\n    fun matrixTransform(matrix:
DOMMatrixReadOnly): DOMPoint\n}\n\n/**\n * Exposes the JavaScript
[DOMPoint](https://developer.mozilla.org/en/docs/Web/API/DOMPoint) to Kotlin\n */\npublic external open class
DOMPoint : DOMPointReadOnly {\n    constructor(point: DOMPointInit)\n    constructor(x: Double =
definedExternally, y: Double = definedExternally, z: Double = definedExternally, w: Double = definedExternally)\n
    override var x: Double\n    override var y: Double\n    override var z: Double\n    override var w:
Double\n}\n\n/**\n * Exposes the JavaScript
[DOMPointInit](https://developer.mozilla.org/en/docs/Web/API/DOMPointInit) to Kotlin\n */\npublic external
interface DOMPointInit {\n    var x: Double? /* = 0.0 */\n        get() = definedExternally\n        set(value) =
definedExternally\n    var y: Double? /* = 0.0 */\n        get() = definedExternally\n        set(value) =
definedExternally\n    var z: Double? /* = 0.0 */\n        get() = definedExternally\n        set(value) =
definedExternally\n    var w: Double? /* = 1.0 */\n        get() = definedExternally\n        set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun DOMPointInit(x: Double? = 0.0, y:
Double? = 0.0, z: Double? = 0.0, w: Double? = 1.0): DOMPointInit {\n    val o = js("{}")\n    o["x"] = x\n
o["y"] = y\n    o["z"] = z\n    o["w"] = w\n    return o\n}\n\n/**\n * Exposes the JavaScript
[DOMRect](https://developer.mozilla.org/en/docs/Web/API/DOMRect) to Kotlin\n */\npublic external open class
DOMRect(x: Double = definedExternally, y: Double = definedExternally, width: Double = definedExternally,
height: Double = definedExternally) : DOMRectReadOnly {\n    override var x: Double\n    override var y: Double\n
override var width: Double\n    override var height: Double\n}\n\n/**\n * Exposes the JavaScript
[DOMRectReadOnly](https://developer.mozilla.org/en/docs/Web/API/DOMRectReadOnly) to Kotlin\n */\npublic
external open class DOMRectReadOnly(x: Double, y: Double, width: Double, height: Double) {\n    open val x:
Double\n    open val y: Double\n    open val width: Double\n    open val height: Double\n    open val top: Double\n
open val right: Double\n    open val bottom: Double\n    open val left: Double\n}\n\npublic external interface
DOMRectInit {\n    var x: Double? /* = 0.0 */\n        get() = definedExternally\n        set(value) =
definedExternally\n    var y: Double? /* = 0.0 */\n        get() = definedExternally\n        set(value) =
definedExternally\n    var width: Double? /* = 0.0 */\n        get() = definedExternally\n        set(value) =
definedExternally\n    var height: Double? /* = 0.0 */\n        get() = definedExternally\n        set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun DOMRectInit(x: Double? = 0.0, y:
Double? = 0.0, width: Double? = 0.0, height: Double? = 0.0): DOMRectInit {\n    val o = js("{}")\n    o["x"] =
x\n    o["y"] = y\n    o["width"] = width\n    o["height"] = height\n    return o\n}\n\npublic external interface
DOMRectList : ItemArrayLike<DOMRect> {\n    override fun item(index: Int):
DOMRect?\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun DOMRectList.get(index: Int):
DOMRect? = asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[DOMQuad](https://developer.mozilla.org/en/docs/Web/API/DOMQuad) to Kotlin\n */\npublic external open class
DOMQuad {\n    constructor(p1: DOMPointInit = definedExternally, p2: DOMPointInit = definedExternally, p3:
DOMPointInit = definedExternally, p4: DOMPointInit = definedExternally)\n    constructor(rect: DOMRectInit)\n
open val p1: DOMPoint\n    open val p2: DOMPoint\n    open val p3: DOMPoint\n    open val p4: DOMPoint\n
open val bounds: DOMRectReadOnly\n}\n\n/**\n * Exposes the JavaScript
[DOMMatrixReadOnly](https://developer.mozilla.org/en/docs/Web/API/DOMMatrixReadOnly) to Kotlin\n

```

```

*\npublic external open class DOMMatrixReadOnly(numberSequence: Array<Double>) {\n  open val a: Double\n  open val b: Double\n  open val c: Double\n  open val d: Double\n  open val e: Double\n  open val f: Double\n  open val m11: Double\n  open val m12: Double\n  open val m13: Double\n  open val m14: Double\n  open val m21: Double\n  open val m22: Double\n  open val m23: Double\n  open val m24: Double\n  open val m31: Double\n  open val m32: Double\n  open val m33: Double\n  open val m34: Double\n  open val m41: Double\n  open val m42: Double\n  open val m43: Double\n  open val m44: Double\n  open val is2D: Boolean\n  open val isIdentity: Boolean\n  fun translate(tx: Double, ty: Double, tz: Double = definedExternally): DOMMatrix\n  fun scale(scale: Double, originX: Double = definedExternally, originY: Double = definedExternally): DOMMatrix\n  fun scale3d(scale: Double, originX: Double = definedExternally, originY: Double = definedExternally, originZ: Double = definedExternally): DOMMatrix\n  fun scaleNonUniform(scaleX: Double, scaleY: Double = definedExternally, scaleZ: Double = definedExternally, originX: Double = definedExternally, originY: Double = definedExternally, originZ: Double = definedExternally): DOMMatrix\n  fun rotate(angle: Double, originX: Double = definedExternally, originY: Double = definedExternally): DOMMatrix\n  fun rotateFromVector(x: Double, y: Double): DOMMatrix\n  fun rotateAxisAngle(x: Double, y: Double, z: Double, angle: Double): DOMMatrix\n  fun skewX(sx: Double): DOMMatrix\n  fun skewY(sy: Double): DOMMatrix\n  fun multiply(other: DOMMatrix): DOMMatrix\n  fun flipX(): DOMMatrix\n  fun flipY(): DOMMatrix\n  fun inverse(): DOMMatrix\n  fun transformPoint(point: DOMPointInit = definedExternally): DOMPoint\n  fun toFloat32Array(): Float32Array\n  fun toFloat64Array(): Float64Array\n}\n\n/**\n * Exposes the JavaScript [DOMMatrix](https://developer.mozilla.org/en/docs/Web/API/DOMMatrix) to Kotlin\n */\n\npublic external open class DOMMatrix() : DOMMatrixReadOnly {\n  constructor(transformList: String)\n  constructor(other: DOMMatrixReadOnly)\n  constructor(array32: Float32Array)\n  constructor(array64: Float64Array)\n  constructor(numberSequence: Array<Double>)\n  override var a: Double\n  override var b: Double\n  override var c: Double\n  override var d: Double\n  override var e: Double\n  override var f: Double\n  override var m11: Double\n  override var m12: Double\n  override var m13: Double\n  override var m14: Double\n  override var m21: Double\n  override var m22: Double\n  override var m23: Double\n  override var m24: Double\n  override var m31: Double\n  override var m32: Double\n  override var m33: Double\n  override var m34: Double\n  override var m41: Double\n  override var m42: Double\n  override var m43: Double\n  override var m44: Double\n  fun multiplySelf(other: DOMMatrix): DOMMatrix\n  fun preMultiplySelf(other: DOMMatrix): DOMMatrix\n  fun translateSelf(tx: Double, ty: Double, tz: Double = definedExternally): DOMMatrix\n  fun scaleSelf(scale: Double, originX: Double = definedExternally, originY: Double = definedExternally): DOMMatrix\n  fun scale3dSelf(scale: Double, originX: Double = definedExternally, originY: Double = definedExternally, originZ: Double = definedExternally): DOMMatrix\n  fun scaleNonUniformSelf(scaleX: Double, scaleY: Double = definedExternally, scaleZ: Double = definedExternally, originX: Double = definedExternally, originY: Double = definedExternally, originZ: Double = definedExternally): DOMMatrix\n  fun rotateSelf(angle: Double, originX: Double = definedExternally, originY: Double = definedExternally): DOMMatrix\n  fun rotateFromVectorSelf(x: Double, y: Double): DOMMatrix\n  fun rotateAxisAngleSelf(x: Double, y: Double, z: Double, angle: Double): DOMMatrix\n  fun skewXSelf(sx: Double): DOMMatrix\n  fun skewYSelf(sy: Double): DOMMatrix\n  fun invertSelf(): DOMMatrix\n  fun setMatrixValue(transformList: String): DOMMatrix\n}\n\npublic external interface ScrollOptions {\n  var behavior: ScrollBehavior? /* = ScrollBehavior.AUTO */\n  get() = definedExternally\n  set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun ScrollOptions(behavior: ScrollBehavior? = ScrollBehavior.AUTO): ScrollOptions {\n  val o = js("{}")\n  o["behavior"] = behavior\n  return o\n}\n\n/**\n * Exposes the JavaScript [ScrollToOptions](https://developer.mozilla.org/en/docs/Web/API/ScrollToOptions) to Kotlin\n */\n\npublic external interface ScrollToOptions : ScrollOptions {\n  var left: Double?\n  get() = definedExternally\n  set(value) = definedExternally\n  var top: Double?\n  get() = definedExternally\n  set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun ScrollToOptions(left: Double? =

```

```

undefined, top: Double? = undefined, behavior: ScrollBehavior? = ScrollBehavior.AUTO): ScrollToOptions {
    val o = js("{}")
    o["left"] = left
    o["top"] = top
    o["behavior"] = behavior
    return o
}

Exposes the JavaScript [MediaQueryList](https://developer.mozilla.org/en/docs/Web/API/MediaQueryList) to Kotlin
public external abstract class MediaQueryList : EventTarget {
    open val media: String
    open val matches: Boolean
    open var onchange: ((Event) -> dynamic)?
    fun addListener(listener: EventListener?)
    fun addListener(listener: ((Event) -> Unit)?)
    fun removeListener(listener: EventListener?)
    fun removeListener(listener: ((Event) -> Unit)?)
}

Exposes the JavaScript [MediaQueryListEvent](https://developer.mozilla.org/en/docs/Web/API/MediaQueryListEvent) to Kotlin
public external open class MediaQueryListEvent(type: String, eventInitDict: MediaQueryListEventInit = definedExternally) : Event {
    open val media: String
    open val matches: Boolean

    companion object {
        val NONE: Short
        val CAPTURING_PHASE: Short
        val AT_TARGET: Short
        val BUBBLING_PHASE: Short
    }
}

public external interface MediaQueryListEventInit : EventInit {
    var media: String? /* = "" */
    get() = definedExternally
    set(value) = definedExternally
    var matches: Boolean? /* = false */
    get() = definedExternally
    set(value) = definedExternally
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun MediaQueryListEventInit(media: String? = "", matches: Boolean? = false, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): MediaQueryListEventInit {
    val o = js("{}")
    o["media"] = media
    o["matches"] = matches
    o["bubbles"] = bubbles
    o["cancelable"] = cancelable
    o["composed"] = composed
    return o
}

Exposes the JavaScript [Screen](https://developer.mozilla.org/en/docs/Web/API/Screen) to Kotlin
public external abstract class Screen {
    open val availWidth: Int
    open val availHeight: Int
    open val width: Int
    open val height: Int
    open val colorDepth: Int
    open val pixelDepth: Int
}

Exposes the JavaScript [CaretPosition](https://developer.mozilla.org/en/docs/Web/API/CaretPosition) to Kotlin
public external abstract class CaretPosition {
    open val offsetNode: Node
    open val offset: Int
    fun getClientRect(): DOMRect?
}

public external interface ScrollIntoViewOptions : ScrollOptions {
    var block: ScrollLogicalPosition? /* = ScrollLogicalPosition.CENTER */
    get() = definedExternally
    set(value) = definedExternally
    var inline: ScrollLogicalPosition? /* = ScrollLogicalPosition.CENTER */
    get() = definedExternally
    set(value) = definedExternally
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun ScrollIntoViewOptions(block: ScrollLogicalPosition? = ScrollLogicalPosition.CENTER, inline: ScrollLogicalPosition? = ScrollLogicalPosition.CENTER, behavior: ScrollBehavior? = ScrollBehavior.AUTO): ScrollIntoViewOptions {
    val o = js("{}")
    o["block"] = block
    o["inline"] = inline
    o["behavior"] = behavior
    return o
}

public external interface BoxQuadOptions {
    var box: CSSBoxType? /* = CSSBoxType.BORDER */
    get() = definedExternally
    set(value) = definedExternally
    var relativeTo: dynamic
    get() = definedExternally
    set(value) = definedExternally
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun BoxQuadOptions(box: CSSBoxType? = CSSBoxType.BORDER, relativeTo: dynamic = undefined): BoxQuadOptions {
    val o = js("{}")
    o["box"] = box
    o["relativeTo"] = relativeTo
    return o
}

public external interface ConvertCoordinateOptions {
    var fromBox: CSSBoxType? /* = CSSBoxType.BORDER */
    get() = definedExternally
    set(value) = definedExternally
    var toBox: CSSBoxType? /* = CSSBoxType.BORDER */
    get() = definedExternally
    set(value) = definedExternally
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun ConvertCoordinateOptions(fromBox: CSSBoxType? = CSSBoxType.BORDER, toBox: CSSBoxType? = CSSBoxType.BORDER): ConvertCoordinateOptions {
    val o = js("{}")
    o["fromBox"] = fromBox
    o["toBox"] = toBox
    return o
}

Exposes the JavaScript [GeometryUtils](https://developer.mozilla.org/en/docs/Web/API/GeometryUtils) to Kotlin
public external interface GeometryUtils {
    fun getBoxQuads(options: BoxQuadOptions = definedExternally):

```

```

Array<DOMQuad>\n fun convertQuadFromNode(quad: dynamic, from: dynamic, options:
ConvertCoordinateOptions = definedExternally): DOMQuad\n fun convertRectFromNode(rect:
DOMRectReadOnly, from: dynamic, options: ConvertCoordinateOptions = definedExternally): DOMQuad\n fun
convertPointFromNode(point: DOMPointInit, from: dynamic, options: ConvertCoordinateOptions =
definedExternally): DOMPoint\n}\n\n/**\n * Exposes the JavaScript
[Touch](https://developer.mozilla.org/en/docs/Web/API/Touch) to Kotlin\n */\npublic external abstract class Touch
{\n open val identifier: Int\n open val target: EventTarget\n open val screenX: Int\n open val screenY: Int\n
open val clientX: Int\n open val clientY: Int\n open val pageX: Int\n open val pageY: Int\n open val region:
String?\n}\n\npublic external abstract class TouchList : ItemArrayLike<Touch> {\n override fun item(index: Int):
Touch?\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun TouchList.get(index: Int):
Touch? = asDynamic()[index]\n\npublic external open class TouchEvent : UIEvent {\n open val touches:
TouchList\n open val targetTouches: TouchList\n open val changedTouches: TouchList\n open val altKey:
Boolean\n open val metaKey: Boolean\n open val ctrlKey: Boolean\n open val shiftKey: Boolean\n\n
companion object {\n val NONE: Short\n val CAPTURING_PHASE: Short\n val AT_TARGET:
Short\n val BUBBLING_PHASE: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[Image](https://developer.mozilla.org/en/docs/Web/API/Image) to Kotlin\n */\npublic external open class
Image(width: Int = definedExternally, height: Int = definedExternally) : HTMLImageElement {\n override var
onabort: ((Event) -> dynamic)?\n override var onblur: ((FocusEvent) -> dynamic)?\n override var oncancel:
((Event) -> dynamic)?\n override var oncanplay: ((Event) -> dynamic)?\n override var oncanplaythrough:
((Event) -> dynamic)?\n override var onchange: ((Event) -> dynamic)?\n override var onclick: ((MouseEvent) ->
dynamic)?\n override var onclose: ((Event) -> dynamic)?\n override var oncontextmenu: ((MouseEvent) ->
dynamic)?\n override var oncuechange: ((Event) -> dynamic)?\n override var ondblclick: ((MouseEvent) ->
dynamic)?\n override var ondrag: ((DragEvent) -> dynamic)?\n override var ondragend: ((DragEvent) ->
dynamic)?\n override var ondragenter: ((DragEvent) -> dynamic)?\n override var ondragexit: ((DragEvent) ->
dynamic)?\n override var ondragleave: ((DragEvent) -> dynamic)?\n override var ondragover: ((DragEvent) ->
dynamic)?\n override var ondragstart: ((DragEvent) -> dynamic)?\n override var ondrop: ((DragEvent) ->
dynamic)?\n override var ondurationchange: ((Event) -> dynamic)?\n override var onemptied: ((Event) ->
dynamic)?\n override var onended: ((Event) -> dynamic)?\n override var onerror: ((dynamic, String, Int, Int,
Any?) -> dynamic)?\n override var onfocus: ((FocusEvent) -> dynamic)?\n override var oninput: ((InputEvent) ->
dynamic)?\n override var oninvalid: ((Event) -> dynamic)?\n override var onkeydown: ((KeyboardEvent) ->
dynamic)?\n override var onkeypress: ((KeyboardEvent) -> dynamic)?\n override var onkeyup:
((KeyboardEvent) -> dynamic)?\n override var onload: ((Event) -> dynamic)?\n override var onloadeddata:
((Event) -> dynamic)?\n override var onloadedmetadata: ((Event) -> dynamic)?\n override var onloadend:
((Event) -> dynamic)?\n override var onloadstart: ((ProgressEvent) -> dynamic)?\n override var onmousedown:
((MouseEvent) -> dynamic)?\n override var onmouseenter: ((MouseEvent) -> dynamic)?\n override var
onmouseleave: ((MouseEvent) -> dynamic)?\n override var onmousemove: ((MouseEvent) -> dynamic)?\n
override var onmouseout: ((MouseEvent) -> dynamic)?\n override var onmouseover: ((MouseEvent) ->
dynamic)?\n override var onmouseup: ((MouseEvent) -> dynamic)?\n override var onwheel: ((WheelEvent) ->
dynamic)?\n override var onpause: ((Event) -> dynamic)?\n override var onplay: ((Event) -> dynamic)?\n
override var onplaying: ((Event) -> dynamic)?\n override var onprogress: ((ProgressEvent) -> dynamic)?\n
override var onratechange: ((Event) -> dynamic)?\n override var onreset: ((Event) -> dynamic)?\n override var
onresize: ((Event) -> dynamic)?\n override var onscroll: ((Event) -> dynamic)?\n override var onseeked:
((Event) -> dynamic)?\n override var onseeking: ((Event) -> dynamic)?\n override var onselect: ((Event) ->
dynamic)?\n override var onshow: ((Event) -> dynamic)?\n override var onstalled: ((Event) -> dynamic)?\n
override var onsubmit: ((Event) -> dynamic)?\n override var onsuspend: ((Event) -> dynamic)?\n override var
ontimeupdate: ((Event) -> dynamic)?\n override var ontoggle: ((Event) -> dynamic)?\n override var
onvolumechange: ((Event) -> dynamic)?\n override var onwaiting: ((Event) -> dynamic)?\n override var

```

```

ongotpointercapture: ((PointerEvent) -> dynamic)?\n  override var onlostpointercapture: ((PointerEvent) ->
dynamic)?\n  override var onpointerdown: ((PointerEvent) -> dynamic)?\n  override var onpointermove:
((PointerEvent) -> dynamic)?\n  override var onpointerup: ((PointerEvent) -> dynamic)?\n  override var
onpointercancel: ((PointerEvent) -> dynamic)?\n  override var onpointerover: ((PointerEvent) -> dynamic)?\n
override var onpointerout: ((PointerEvent) -> dynamic)?\n  override var onpointerenter: ((PointerEvent) ->
dynamic)?\n  override var onpointerleave: ((PointerEvent) -> dynamic)?\n  override var oncopy:
((ClipboardEvent) -> dynamic)?\n  override var oncut: ((ClipboardEvent) -> dynamic)?\n  override var onpaste:
((ClipboardEvent) -> dynamic)?\n  override var contentEditable: String\n  override val isContentEditable:
Boolean\n  override val style: CSSStyleDeclaration\n  override val children: HTMLCollection\n  override val
firstElementChild: Element?\n  override val lastElementChild: Element?\n  override val childElementCount: Int\n
  override val previousElementSibling: Element?\n  override val nextElementSibling: Element?\n  override val
assignedSlot: HTMLSlotElement?\n  override fun prepend(vararg nodes: dynamic)\n  override fun append(vararg
nodes: dynamic)\n  override fun querySelector(selectors: String): Element?\n  override fun
querySelectorAll(selectors: String): NodeList\n  override fun before(vararg nodes: dynamic)\n  override fun
after(vararg nodes: dynamic)\n  override fun replaceWith(vararg nodes: dynamic)\n  override fun remove()\n
override fun getBoxQuads(options: BoxQuadOptions /* = definedExternally */): Array<DOMQuad>\n  override
fun convertQuadFromNode(quad: dynamic, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMQuad\n  override fun convertRectFromNode(rect: DOMRectReadOnly, from:
dynamic, options: ConvertCoordinateOptions /* = definedExternally */): DOMQuad\n  override fun
convertPointFromNode(point: DOMPointInit, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMPoint\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n\n  public external open class
Audio(src: String = definedExternally) : HTMLAudioElement {\n  override var onabort: ((Event) -> dynamic)?\n
override var onblur: ((FocusEvent) -> dynamic)?\n  override var oncancel: ((Event) -> dynamic)?\n  override var
oncanplay: ((Event) -> dynamic)?\n  override var oncanplaythrough: ((Event) -> dynamic)?\n  override var
onchange: ((Event) -> dynamic)?\n  override var onclick: ((MouseEvent) -> dynamic)?\n  override var onclose:
((Event) -> dynamic)?\n  override var oncontextmenu: ((MouseEvent) -> dynamic)?\n  override var oncuechange:
((Event) -> dynamic)?\n  override var ondblclick: ((MouseEvent) -> dynamic)?\n  override var ondrag:
((DragEvent) -> dynamic)?\n  override var ondragend: ((DragEvent) -> dynamic)?\n  override var ondragenter:
((DragEvent) -> dynamic)?\n  override var ondragexit: ((DragEvent) -> dynamic)?\n  override var ondragleave:
((DragEvent) -> dynamic)?\n  override var ondragover: ((DragEvent) -> dynamic)?\n  override var ondragstart:
((DragEvent) -> dynamic)?\n  override var ondrop: ((DragEvent) -> dynamic)?\n  override var ondurationchange:
((Event) -> dynamic)?\n  override var onemptied: ((Event) -> dynamic)?\n  override var onended: ((Event) ->
dynamic)?\n  override var onerror: ((dynamic, String, Int, Int, Any?) -> dynamic)?\n  override var onfocus:
((FocusEvent) -> dynamic)?\n  override var oninput: ((InputEvent) -> dynamic)?\n  override var oninvalid:
((Event) -> dynamic)?\n  override var onkeydown: ((KeyboardEvent) -> dynamic)?\n  override var onkeypress:
((KeyboardEvent) -> dynamic)?\n  override var onkeyup: ((KeyboardEvent) -> dynamic)?\n  override var onload:
((Event) -> dynamic)?\n  override var onloadeddata: ((Event) -> dynamic)?\n  override var onloadedmetadata:
((Event) -> dynamic)?\n  override var onloadend: ((Event) -> dynamic)?\n  override var onloadstart:
((ProgressEvent) -> dynamic)?\n  override var onmousedown: ((MouseEvent) -> dynamic)?\n  override var

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onmouseenter: ((MouseEvent) -> dynamic)?\n  override var onmouseleave: ((MouseEvent) -> dynamic)?\n
override var onmousemove: ((MouseEvent) -> dynamic)?\n  override var onmouseout: ((MouseEvent) ->
dynamic)?\n  override var onmouseover: ((MouseEvent) -> dynamic)?\n  override var onmouseup: ((MouseEvent)
-> dynamic)?\n  override var onwheel: ((WheelEvent) -> dynamic)?\n  override var onpause: ((Event) ->
dynamic)?\n  override var onplay: ((Event) -> dynamic)?\n  override var onplaying: ((Event) -> dynamic)?\n
override var onprogress: ((ProgressEvent) -> dynamic)?\n  override var onratechange: ((Event) -> dynamic)?\n
override var onreset: ((Event) -> dynamic)?\n  override var onresize: ((Event) -> dynamic)?\n  override var
onscroll: ((Event) -> dynamic)?\n  override var onseeked: ((Event) -> dynamic)?\n  override var onseeking:
((Event) -> dynamic)?\n  override var onselect: ((Event) -> dynamic)?\n  override var onshow: ((Event) ->
dynamic)?\n  override var onstalled: ((Event) -> dynamic)?\n  override var onsubmit: ((Event) -> dynamic)?\n
override var onsuspend: ((Event) -> dynamic)?\n  override var ontimeupdate: ((Event) -> dynamic)?\n  override
var ontoggle: ((Event) -> dynamic)?\n  override var onvolumechange: ((Event) -> dynamic)?\n  override var
onwaiting: ((Event) -> dynamic)?\n  override var ongotpointercapture: ((PointerEvent) -> dynamic)?\n  override
var onlostpointercapture: ((PointerEvent) -> dynamic)?\n  override var onpointerdown: ((PointerEvent) ->
dynamic)?\n  override var onpointermove: ((PointerEvent) -> dynamic)?\n  override var onpointerup:
((PointerEvent) -> dynamic)?\n  override var onpointercancel: ((PointerEvent) -> dynamic)?\n  override var
onpointerover: ((PointerEvent) -> dynamic)?\n  override var onpointerout: ((PointerEvent) -> dynamic)?\n
override var onpointerenter: ((PointerEvent) -> dynamic)?\n  override var onpointerleave: ((PointerEvent) ->
dynamic)?\n  override var oncopy: ((ClipboardEvent) -> dynamic)?\n  override var oncut: ((ClipboardEvent) ->
dynamic)?\n  override var onpaste: ((ClipboardEvent) -> dynamic)?\n  override var contentEditable: String\n
override val isContentEditable: Boolean\n  override val style: CSSStyleDeclaration\n  override val children:
HTMLCollection\n  override val firstElementChild: Element?\n  override val lastElementChild: Element?\n
override val childElementCount: Int\n  override val previousElementSibling: Element?\n  override val
nextElementSibling: Element?\n  override val assignedSlot: HTMLSlotElement?\n  override fun prepend(vararg
nodes: dynamic)\n  override fun append(vararg nodes: dynamic)\n  override fun querySelector(selectors: String):
Element?\n  override fun querySelectorAll(selectors: String): NodeList\n  override fun before(vararg nodes:
dynamic)\n  override fun after(vararg nodes: dynamic)\n  override fun replaceWith(vararg nodes: dynamic)\n
override fun remove()\n  override fun getBoxQuads(options: BoxQuadOptions /* = definedExternally */):
Array<DOMQuad>\n  override fun convertQuadFromNode(quad: dynamic, from: dynamic, options:
ConvertCoordinateOptions /* = definedExternally */): DOMQuad\n  override fun convertRectFromNode(rect:
DOMRectReadOnly, from: dynamic, options: ConvertCoordinateOptions /* = definedExternally */): DOMQuad\n
override fun convertPointFromNode(point: DOMPointInit, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMPoint\n\n  companion object {\n    val NETWORK_EMPTY: Short\n    val
NETWORK_IDLE: Short\n    val NETWORK_LOADING: Short\n    val NETWORK_NO_SOURCE: Short\n
    val HAVE_NOTHING: Short\n    val HAVE_METADATA: Short\n    val HAVE_CURRENT_DATA:
Short\n    val HAVE_FUTURE_DATA: Short\n    val HAVE_ENOUGH_DATA: Short\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n\n  /**\n   * Exposes the JavaScript
[Option](https://developer.mozilla.org/en/docs/Web/API/Option) to Kotlin\n   */\n  @public external open class
Option(text: String = definedExternally, value: String = definedExternally, defaultSelected: Boolean =
definedExternally, selected: Boolean = definedExternally) : HTMLInputElement {\n    override var onabort:

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((Event) -> dynamic)?\n  override var onBlur: ((FocusEvent) -> dynamic)?\n  override var onCancel: ((Event) ->
dynamic)?\n  override var onCanplay: ((Event) -> dynamic)?\n  override var onCanplaythrough: ((Event) ->
dynamic)?\n  override var onChange: ((Event) -> dynamic)?\n  override var onClick: ((MouseEvent) ->
dynamic)?\n  override var onClose: ((Event) -> dynamic)?\n  override var onContextMenu: ((MouseEvent) ->
dynamic)?\n  override var onCuechange: ((Event) -> dynamic)?\n  override var ondblclick: ((MouseEvent) ->
dynamic)?\n  override var onDrag: ((DragEvent) -> dynamic)?\n  override var onDragend: ((DragEvent) ->
dynamic)?\n  override var onDragenter: ((DragEvent) -> dynamic)?\n  override var onDragexit: ((DragEvent) ->
dynamic)?\n  override var onDragleave: ((DragEvent) -> dynamic)?\n  override var onDragover: ((DragEvent) ->
dynamic)?\n  override var onDragstart: ((DragEvent) -> dynamic)?\n  override var onDrop: ((DragEvent) ->
dynamic)?\n  override var onDurationchange: ((Event) -> dynamic)?\n  override var onEmptied: ((Event) ->
dynamic)?\n  override var onEnded: ((Event) -> dynamic)?\n  override var onError: ((dynamic, String, Int, Int,
Any?) -> dynamic)?\n  override var onFocus: ((FocusEvent) -> dynamic)?\n  override var onInput: ((InputEvent) -
> dynamic)?\n  override var onInvalid: ((Event) -> dynamic)?\n  override var onKeyDown: ((KeyboardEvent) ->
dynamic)?\n  override var onKeyPress: ((KeyboardEvent) -> dynamic)?\n  override var onKeyUp:
((KeyboardEvent) -> dynamic)?\n  override var onLoad: ((Event) -> dynamic)?\n  override var onLoadeddata:
((Event) -> dynamic)?\n  override var onLoadedmetadata: ((Event) -> dynamic)?\n  override var onLoading:
((Event) -> dynamic)?\n  override var onLoadstart: ((ProgressEvent) -> dynamic)?\n  override var onmousedown:
((MouseEvent) -> dynamic)?\n  override var onmouseenter: ((MouseEvent) -> dynamic)?\n  override var
onmouseleave: ((MouseEvent) -> dynamic)?\n  override var onmousemove: ((MouseEvent) -> dynamic)?\n
override var onmouseout: ((MouseEvent) -> dynamic)?\n  override var onmouseover: ((MouseEvent) ->
dynamic)?\n  override var onmouseup: ((MouseEvent) -> dynamic)?\n  override var onWheel: ((WheelEvent) ->
dynamic)?\n  override var onPause: ((Event) -> dynamic)?\n  override var onPlay: ((Event) -> dynamic)?\n
override var onPlaying: ((Event) -> dynamic)?\n  override var onProgress: ((ProgressEvent) -> dynamic)?\n
override var onRatechange: ((Event) -> dynamic)?\n  override var onReset: ((Event) -> dynamic)?\n  override var
onResize: ((Event) -> dynamic)?\n  override var onScroll: ((Event) -> dynamic)?\n  override var onSeeked:
((Event) -> dynamic)?\n  override var onSeeking: ((Event) -> dynamic)?\n  override var onSelect: ((Event) ->
dynamic)?\n  override var onShow: ((Event) -> dynamic)?\n  override var onStalled: ((Event) -> dynamic)?\n
override var onsubmit: ((Event) -> dynamic)?\n  override var onSuspend: ((Event) -> dynamic)?\n  override var
onTimeupdate: ((Event) -> dynamic)?\n  override var onToggle: ((Event) -> dynamic)?\n  override var
onVolumechange: ((Event) -> dynamic)?\n  override var onWaiting: ((Event) -> dynamic)?\n  override var
ongotpointercapture: ((PointerEvent) -> dynamic)?\n  override var onlostpointercapture: ((PointerEvent) ->
dynamic)?\n  override var onPointerdown: ((PointerEvent) -> dynamic)?\n  override var onPointermove:
((PointerEvent) -> dynamic)?\n  override var onPointerup: ((PointerEvent) -> dynamic)?\n  override var
onPointercancel: ((PointerEvent) -> dynamic)?\n  override var onPointerover: ((PointerEvent) -> dynamic)?\n
override var onPointerout: ((PointerEvent) -> dynamic)?\n  override var onPointerenter: ((PointerEvent) ->
dynamic)?\n  override var onPointerleave: ((PointerEvent) -> dynamic)?\n  override var onCopy:
((ClipboardEvent) -> dynamic)?\n  override var onCut: ((ClipboardEvent) -> dynamic)?\n  override var onPaste:
((ClipboardEvent) -> dynamic)?\n  override var contentEditable: String\n  override val isContentEditable:
Boolean\n  override val style: CSSStyleDeclaration\n  override val children: HTMLCollection\n  override val
firstElementChild: Element?\n  override val lastElementChild: Element?\n  override val childElementCount: Int\n
  override val previousElementSibling: Element?\n  override val nextElementSibling: Element?\n  override val
assignedSlot: HTMLSlotElement?\n  override fun prepend(vararg nodes: dynamic)\n  override fun append(vararg
nodes: dynamic)\n  override fun querySelector(selectors: String): Element?\n  override fun
querySelectorAll(selectors: String): NodeList\n  override fun before(vararg nodes: dynamic)\n  override fun
after(vararg nodes: dynamic)\n  override fun replaceWith(vararg nodes: dynamic)\n  override fun remove()\n
  override fun getBoxQuads(options: BoxQuadOptions /* = definedExternally */): Array<DOMQuad>\n  override
fun convertQuadFromNode(quad: dynamic, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMQuad\n  override fun convertRectFromNode(rect: DOMRectReadOnly, from:

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dynamic, options: ConvertCoordinateOptions /* = definedExternally */): DOMQuad\n  override fun
convertPointFromNode(point: DOMPointInit, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMPoint\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n\n  public external interface
UnionElementOrHTMLCollection\n\n  public external interface UnionElementOrRadioNodeList\n\n  public external
interface UnionHTMLOptGroupElementOrHTMLOptionElement\n\n  public external interface
UnionAudioTrackOrTextTrackOrVideoTrack\n\n  public external interface UnionElementOrMouseEvent\n\n  public
external interface UnionMessagePortOrWindowProxy\n\n  public external interface MediaProvider\n\n  public
external interface RenderingContext\n\n  public external interface HTMLOrSVGImageElement :
CanvasImageSource\n\n  public external interface CanvasImageSource : ImageBitmapSource\n\n  public external
interface ImageBitmapSource\n\n  public external interface HTMLOrSVGScriptElement\n\n  /* please, don't
implement this interface!
*\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\n  public external
interface DocumentReadyState {\n    companion object\n  }\n\n  public inline val
DocumentReadyState.Companion.LOADING: DocumentReadyState get() =
"loading".asDynamic().unsafeCast<DocumentReadyState>()\n\n  public inline val
DocumentReadyState.Companion.INTERACTIVE: DocumentReadyState get() =
"interactive".asDynamic().unsafeCast<DocumentReadyState>()\n\n  public inline val
DocumentReadyState.Companion.COMPLETE: DocumentReadyState get() =
"complete".asDynamic().unsafeCast<DocumentReadyState>()\n\n  /* please, don't implement this interface!
*\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\n  public external
interface CanPlayTypeResult {\n    companion object\n  }\n\n  public inline val
CanPlayTypeResult.Companion.EMPTY: CanPlayTypeResult get() =
"".asDynamic().unsafeCast<CanPlayTypeResult>()\n\n  public inline val
CanPlayTypeResult.Companion.MAYBE: CanPlayTypeResult get() = "maybe".asDynamic().unsafeCast<CanPlayTypeResult>()\n\n  public inline val
CanPlayTypeResult.Companion.PROBABLY: CanPlayTypeResult get() =
"probably".asDynamic().unsafeCast<CanPlayTypeResult>()\n\n  /* please, don't implement this interface!
*\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\n  public external
interface TextTrackMode {\n    companion object\n  }\n\n  public inline val
TextTrackMode.Companion.DISABLED: TextTrackMode get() = "disabled".asDynamic().unsafeCast<TextTrackMode>()\n\n  public inline val
TextTrackMode.Companion.HIDDEN: TextTrackMode get() =
"hidden".asDynamic().unsafeCast<TextTrackMode>()\n\n  public inline val
TextTrackMode.Companion.SHOWING: TextTrackMode get() =
"showing".asDynamic().unsafeCast<TextTrackMode>()\n\n  /* please, don't implement this interface!
*\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\n  public external
interface TextTrackKind {\n    companion object\n  }\n\n  public inline val
TextTrackKind.Companion.SUBTITLES: TextTrackKind get() = "subtitles".asDynamic().unsafeCast<TextTrackKind>()\n\n  public inline val
TextTrackKind.Companion.CAPTIONS: TextTrackKind get() =
"captions".asDynamic().unsafeCast<TextTrackKind>()\n\n  public inline val
TextTrackKind.Companion.DESCRPTIONS: TextTrackKind get() =

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\"descriptions\".asDynamic().unsafeCast<TextTrackKind>()\n\npublic inline val
TextTrackKind.Companion.CHAPTERS: TextTrackKind get() =
\"chapters\".asDynamic().unsafeCast<TextTrackKind>()\n\npublic inline val
TextTrackKind.Companion.METADATA: TextTrackKind get() =
\"metadata\".asDynamic().unsafeCast<TextTrackKind>()\n\n/* please, don't implement this interface!
*\n\n@JsName(\"null\")\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external
interface SelectionMode {\n\n    companion object\n\n}\n\npublic inline val SelectionMode.Companion.SELECT:
SelectionMode get() = \"select\".asDynamic().unsafeCast<SelectionMode>()\n\npublic inline val
SelectionMode.Companion.START: SelectionMode get() =
\"start\".asDynamic().unsafeCast<SelectionMode>()\n\npublic inline val SelectionMode.Companion.END:
SelectionMode get() = \"end\".asDynamic().unsafeCast<SelectionMode>()\n\npublic inline val
SelectionMode.Companion.PRESERVE: SelectionMode get() =
\"preserve\".asDynamic().unsafeCast<SelectionMode>()\n\n/* please, don't implement this interface!
*\n\n@JsName(\"null\")\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external
interface CanvasFillRule {\n\n    companion object\n\n}\n\npublic inline val CanvasFillRule.Companion.NONZERO:
CanvasFillRule get() = \"nonzero\".asDynamic().unsafeCast<CanvasFillRule>()\n\npublic inline val
CanvasFillRule.Companion.EVENODD: CanvasFillRule get() =
\"evenodd\".asDynamic().unsafeCast<CanvasFillRule>()\n\n/* please, don't implement this interface!
*\n\n@JsName(\"null\")\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external
interface ImageSmoothingQuality {\n\n    companion object\n\n}\n\npublic inline val
ImageSmoothingQuality.Companion.LOW: ImageSmoothingQuality get() =
\"low\".asDynamic().unsafeCast<ImageSmoothingQuality>()\n\npublic inline val
ImageSmoothingQuality.Companion.MEDIUM: ImageSmoothingQuality get() =
\"medium\".asDynamic().unsafeCast<ImageSmoothingQuality>()\n\npublic inline val
ImageSmoothingQuality.Companion.HIGH: ImageSmoothingQuality get() =
\"high\".asDynamic().unsafeCast<ImageSmoothingQuality>()\n\n/* please, don't implement this interface!
*\n\n@JsName(\"null\")\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external
interface CanvasLineCap {\n\n    companion object\n\n}\n\npublic inline val CanvasLineCap.Companion.BUTT:
CanvasLineCap get() = \"butt\".asDynamic().unsafeCast<CanvasLineCap>()\n\npublic inline val
CanvasLineCap.Companion.ROUND: CanvasLineCap get() =
\"round\".asDynamic().unsafeCast<CanvasLineCap>()\n\npublic inline val CanvasLineCap.Companion.SQUARE:
CanvasLineCap get() = \"square\".asDynamic().unsafeCast<CanvasLineCap>()\n\n/* please, don't implement this
interface! *\n\n@JsName(\"null\")\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic
external interface CanvasLineJoin {\n\n    companion object\n\n}\n\npublic inline val
CanvasLineJoin.Companion.ROUND: CanvasLineJoin get() =
\"round\".asDynamic().unsafeCast<CanvasLineJoin>()\n\npublic inline val CanvasLineJoin.Companion.BEVEL:
CanvasLineJoin get() = \"bevel\".asDynamic().unsafeCast<CanvasLineJoin>()\n\npublic inline val
CanvasLineJoin.Companion.MITER: CanvasLineJoin get() =
\"miter\".asDynamic().unsafeCast<CanvasLineJoin>()\n\n/* please, don't implement this interface!
*\n\n@JsName(\"null\")\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external
interface CanvasTextAlign {\n\n    companion object\n\n}\n\npublic inline val CanvasTextAlign.Companion.START:
CanvasTextAlign get() = \"start\".asDynamic().unsafeCast<CanvasTextAlign>()\n\npublic inline val
CanvasTextAlign.Companion.END: CanvasTextAlign get() =
\"end\".asDynamic().unsafeCast<CanvasTextAlign>()\n\npublic inline val CanvasTextAlign.Companion.LEFT:
CanvasTextAlign get() = \"left\".asDynamic().unsafeCast<CanvasTextAlign>()\n\npublic inline val
CanvasTextAlign.Companion.RIGHT: CanvasTextAlign get() =
\"right\".asDynamic().unsafeCast<CanvasTextAlign>()\n\npublic inline val
CanvasTextAlign.Companion.CENTER: CanvasTextAlign get() =

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\"center\".asDynamic().unsafeCast<CanvasTextAlign>()\n\n/* please, don't implement this interface!
*\n@JsName(\"null\")\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic external
interface CanvasTextBaseline {\n  companion object\n}\n\npublic inline val CanvasTextBaseline.Companion.TOP:
CanvasTextBaseline get() = \"top\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\npublic inline val
CanvasTextBaseline.Companion.HANGING: CanvasTextBaseline get() =
\"hanging\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\npublic inline val
CanvasTextBaseline.Companion.MIDDLE: CanvasTextBaseline get() =
\"middle\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\npublic inline val
CanvasTextBaseline.Companion.ALPHABETIC: CanvasTextBaseline get() =
\"alphabetic\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\npublic inline val
CanvasTextBaseline.Companion.IDEOGRAPHIC: CanvasTextBaseline get() =
\"ideographic\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\npublic inline val
CanvasTextBaseline.Companion.BOTTOM: CanvasTextBaseline get() =
\"bottom\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\n/* please, don't implement this interface!
*\n@JsName(\"null\")\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic external
interface CanvasDirection {\n  companion object\n}\n\npublic inline val CanvasDirection.Companion.LTR:
CanvasDirection get() = \"ltr\".asDynamic().unsafeCast<CanvasDirection>()\n\npublic inline val
CanvasDirection.Companion.RTL: CanvasDirection get() =
\"rtl\".asDynamic().unsafeCast<CanvasDirection>()\n\npublic inline val CanvasDirection.Companion.INHERIT:
CanvasDirection get() = \"inherit\".asDynamic().unsafeCast<CanvasDirection>()\n\n/* please, don't implement this
interface! *\n@JsName(\"null\")\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic
external interface ScrollRestoration {\n  companion object\n}\n\npublic inline val
ScrollRestoration.Companion.AUTO: ScrollRestoration get() =
\"auto\".asDynamic().unsafeCast<ScrollRestoration>()\n\npublic inline val
ScrollRestoration.Companion.MANUAL: ScrollRestoration get() =
\"manual\".asDynamic().unsafeCast<ScrollRestoration>()\n\n/* please, don't implement this interface!
*\n@JsName(\"null\")\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic external
interface ImageOrientation {\n  companion object\n}\n\npublic inline val ImageOrientation.Companion.NONE:
ImageOrientation get() = \"none\".asDynamic().unsafeCast<ImageOrientation>()\n\npublic inline val
ImageOrientation.Companion.FLIPY: ImageOrientation get() =
\"flipY\".asDynamic().unsafeCast<ImageOrientation>()\n\n/* please, don't implement this interface!
*\n@JsName(\"null\")\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic external
interface PremultiplyAlpha {\n  companion object\n}\n\npublic inline val PremultiplyAlpha.Companion.NONE:
PremultiplyAlpha get() = \"none\".asDynamic().unsafeCast<PremultiplyAlpha>()\n\npublic inline val
PremultiplyAlpha.Companion.PREMULTIPLY: PremultiplyAlpha get() =
\"premultiply\".asDynamic().unsafeCast<PremultiplyAlpha>()\n\npublic inline val
PremultiplyAlpha.Companion.DEFAULT: PremultiplyAlpha get() =
\"default\".asDynamic().unsafeCast<PremultiplyAlpha>()\n\n/* please, don't implement this interface!
*\n@JsName(\"null\")\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic external
interface ColorSpaceConversion {\n  companion object\n}\n\npublic inline val
ColorSpaceConversion.Companion.NONE: ColorSpaceConversion get() =
\"none\".asDynamic().unsafeCast<ColorSpaceConversion>()\n\npublic inline val
ColorSpaceConversion.Companion.DEFAULT: ColorSpaceConversion get() =
\"default\".asDynamic().unsafeCast<ColorSpaceConversion>()\n\n/* please, don't implement this interface!
*\n@JsName(\"null\")\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic external
interface ResizeQuality {\n  companion object\n}\n\npublic inline val ResizeQuality.Companion.PIXELATED:
ResizeQuality get() = \"pixelated\".asDynamic().unsafeCast<ResizeQuality>()\n\npublic inline val
ResizeQuality.Companion.LOW: ResizeQuality get() =

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`low`.asDynamic().unsafeCast<ResizeQuality>()\n\npublic inline val ResizeQuality.Companion.MEDIUM:
ResizeQuality get() = `medium`.asDynamic().unsafeCast<ResizeQuality>()\n\npublic inline val
ResizeQuality.Companion.HIGH: ResizeQuality get() = `high`.asDynamic().unsafeCast<ResizeQuality>()\n\n/*
please, don't implement this interface!
*\n@JsName(`null`)\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external
interface BinaryType {\n  companion object\n}\n\npublic inline val BinaryType.Companion.BLOB: BinaryType
get() = `blob`.asDynamic().unsafeCast<BinaryType>()\n\npublic inline val
BinaryType.Companion.ARRAYBUFFER: BinaryType get() =
`arraybuffer`.asDynamic().unsafeCast<BinaryType>()\n\n/* please, don't implement this interface!
*\n@JsName(`null`)\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external
interface WorkerType {\n  companion object\n}\n\npublic inline val WorkerType.Companion.CLASSIC:
WorkerType get() = `classic`.asDynamic().unsafeCast<WorkerType>()\n\npublic inline val
WorkerType.Companion.MODULE: WorkerType get() =
`module`.asDynamic().unsafeCast<WorkerType>()\n\n/* please, don't implement this interface!
*\n@JsName(`null`)\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external
interface ShadowRootMode {\n  companion object\n}\n\npublic inline val ShadowRootMode.Companion.OPEN:
ShadowRootMode get() = `open`.asDynamic().unsafeCast<ShadowRootMode>()\n\npublic inline val
ShadowRootMode.Companion.CLOSED: ShadowRootMode get() =
`closed`.asDynamic().unsafeCast<ShadowRootMode>()\n\n/* please, don't implement this interface!
*\n@JsName(`null`)\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external
interface ScrollBehavior {\n  companion object\n}\n\npublic inline val ScrollBehavior.Companion.AUTO:
ScrollBehavior get() = `auto`.asDynamic().unsafeCast<ScrollBehavior>()\n\npublic inline val
ScrollBehavior.Companion.INSTANT: ScrollBehavior get() =
`instant`.asDynamic().unsafeCast<ScrollBehavior>()\n\npublic inline val ScrollBehavior.Companion.SMOOTH:
ScrollBehavior get() = `smooth`.asDynamic().unsafeCast<ScrollBehavior>()\n\n/* please, don't implement this
interface! *\n@JsName(`null`)\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic
external interface ScrollLogicalPosition {\n  companion object\n}\n\npublic inline val
ScrollLogicalPosition.Companion.START: ScrollLogicalPosition get() =
`start`.asDynamic().unsafeCast<ScrollLogicalPosition>()\n\npublic inline val
ScrollLogicalPosition.Companion.CENTER: ScrollLogicalPosition get() =
`center`.asDynamic().unsafeCast<ScrollLogicalPosition>()\n\npublic inline val
ScrollLogicalPosition.Companion.END: ScrollLogicalPosition get() =
`end`.asDynamic().unsafeCast<ScrollLogicalPosition>()\n\npublic inline val
ScrollLogicalPosition.Companion.NEAREST: ScrollLogicalPosition get() =
`nearest`.asDynamic().unsafeCast<ScrollLogicalPosition>()\n\n/* please, don't implement this interface!
*\n@JsName(`null`)\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external
interface CSSBoxType {\n  companion object\n}\n\npublic inline val CSSBoxType.Companion.MARGIN:
CSSBoxType get() = `margin`.asDynamic().unsafeCast<CSSBoxType>()\n\npublic inline val
CSSBoxType.Companion.BORDER: CSSBoxType get() =
`border`.asDynamic().unsafeCast<CSSBoxType>()\n\npublic inline val CSSBoxType.Companion.PADDING:
CSSBoxType get() = `padding`.asDynamic().unsafeCast<CSSBoxType>()\n\npublic inline val
CSSBoxType.Companion.CONTENT: CSSBoxType get() =
`content`.asDynamic().unsafeCast<CSSBoxType>()
*/\n\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n *\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT!\n\n//
See github.com/kotlin/dukat for details\n\npackage org.w3c.fetch\n\nimport kotlin.js.*\nimport
org.khronos.webgl.*\nimport org.w3c.files.*\nimport org.w3c.xhr.*\n\n/**\n * Exposes the JavaScript
[Headers](https://developer.mozilla.org/en/docs/Web/API/Headers) to Kotlin\n *\n\npublic external open class

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Headers(init: dynamic = definedExternally) {\n  fun append(name: String, value: String)\n  fun delete(name: String)\n  fun get(name: String): String?\n  fun has(name: String): Boolean\n  fun set(name: String, value: String)\n}\n\n/**\n * Exposes the JavaScript [Body](https://developer.mozilla.org/en/docs/Web/API/Body) to Kotlin\n */\npublic external interface Body {\n  val bodyUsed: Boolean\n  fun arrayBuffer(): Promise<ArrayBuffer>\n  fun blob(): Promise<Blob>\n  fun formData(): Promise<FormData>\n  fun json(): Promise<Any?>\n  fun text(): Promise<String>\n}\n\n/**\n * Exposes the JavaScript [Request](https://developer.mozilla.org/en/docs/Web/API/Request) to Kotlin\n */\npublic external open class Request(input: dynamic, init: RequestInit = definedExternally) : Body {\n  open val method: String\n  open val url: String\n  open val headers: Headers\n  open val type: RequestType\n  open val destination: RequestDestination\n  open val referrer: String\n  open val referrerPolicy: dynamic\n  open val mode: RequestMode\n  open val credentials: RequestCredentials\n  open val cache: RequestCache\n  open val redirect: RequestRedirect\n  open val integrity: String\n  open val keepalive: Boolean\n  override val bodyUsed: Boolean\n  fun clone(): Request\n  override fun arrayBuffer(): Promise<ArrayBuffer>\n  override fun blob(): Promise<Blob>\n  override fun formData(): Promise<FormData>\n  override fun json(): Promise<Any?>\n  override fun text(): Promise<String>\n}\n\npublic external interface RequestInit {\n  var method: String?\n  get() = definedExternally\n  set(value) = definedExternally\n  var headers: dynamic\n  get() = definedExternally\n  set(value) = definedExternally\n  var body: dynamic\n  get() = definedExternally\n  set(value) = definedExternally\n  var referrer: String?\n  get() = definedExternally\n  set(value) = definedExternally\n  var referrerPolicy: dynamic\n  get() = definedExternally\n  set(value) = definedExternally\n  var mode: RequestMode?\n  get() = definedExternally\n  set(value) = definedExternally\n  var credentials: RequestCredentials?\n  get() = definedExternally\n  set(value) = definedExternally\n  var cache: RequestCache?\n  get() = definedExternally\n  set(value) = definedExternally\n  var redirect: RequestRedirect?\n  get() = definedExternally\n  set(value) = definedExternally\n  var integrity: String?\n  get() = definedExternally\n  set(value) = definedExternally\n  var keepalive: Boolean?\n  get() = definedExternally\n  set(value) = definedExternally\n  var window: Any?\n  get() = definedExternally\n  set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\", \"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun RequestInit(method: String? = undefined, headers: dynamic = undefined, body: dynamic = undefined, referrer: String? = undefined, referrerPolicy: dynamic = undefined, mode: RequestMode? = undefined, credentials: RequestCredentials? = undefined, cache: RequestCache? = undefined, redirect: RequestRedirect? = undefined, integrity: String? = undefined, keepalive: Boolean? = undefined, window: Any? = undefined): RequestInit {\n  val o = js(\"({})\")\n  o[\"method\"] = method\n  o[\"headers\"] = headers\n  o[\"body\"] = body\n  o[\"referrer\"] = referrer\n  o[\"referrerPolicy\"] = referrerPolicy\n  o[\"mode\"] = mode\n  o[\"credentials\"] = credentials\n  o[\"cache\"] = cache\n  o[\"redirect\"] = redirect\n  o[\"integrity\"] = integrity\n  o[\"keepalive\"] = keepalive\n  o[\"window\"] = window\n  return o\n}\n\n/**\n * Exposes the JavaScript [Response](https://developer.mozilla.org/en/docs/Web/API/Response) to Kotlin\n */\npublic external open class Response(body: dynamic = definedExternally, init: ResponseInit = definedExternally) : Body {\n  open val type: ResponseType\n  open val url: String\n  open val redirected: Boolean\n  open val status: Short\n  open val ok: Boolean\n  open val statusText: String\n  open val headers: Headers\n  open val body: dynamic\n  open val trailer: Promise<Headers>\n  override val bodyUsed: Boolean\n  fun clone(): Response\n  override fun arrayBuffer(): Promise<ArrayBuffer>\n  override fun blob(): Promise<Blob>\n  override fun formData(): Promise<FormData>\n  override fun json(): Promise<Any?>\n  override fun text(): Promise<String>\n}\n\ncompanion object {\n  fun error(): Response\n  fun redirect(url: String, status: Short = definedExternally): Response\n}\n\npublic external interface ResponseInit {\n  var status: Short? /* = 200 */\n  get() = definedExternally\n  set(value) = definedExternally\n  var statusText: String? /* = \"OK\" */\n  get() = definedExternally\n  set(value) = definedExternally\n  var headers: dynamic\n  get() = definedExternally\n  set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",

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\INVISIBLE_MEMBER\)\n@kotlin.internal.InlineOnly\npublic inline fun ResponseInit(status: Short? = 200,
statusText: String? = \"OK\", headers: dynamic = undefined): ResponseInit {\n  val o = js(\"({})\")\n  o[\"status\"]
= status\n  o[\"statusText\"] = statusText\n  o[\"headers\"] = headers\n  return o\n}\n\n/* please, don't implement
this interface! */\n@JsName(\"null\")\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic
external interface RequestType {\n  companion object\n}\n\npublic inline val RequestType.Companion.EMPTY:
RequestType get() = \"\".asDynamic().unsafeCast<RequestType>()\n\npublic inline val
RequestType.Companion.AUDIO: RequestType get() =
\"audio\".asDynamic().unsafeCast<RequestType>()\n\npublic inline val RequestType.Companion.FONT:
RequestType get() = \"font\".asDynamic().unsafeCast<RequestType>()\n\npublic inline val
RequestType.Companion.IMAGE: RequestType get() =
\"image\".asDynamic().unsafeCast<RequestType>()\n\npublic inline val RequestType.Companion.SCRIPT:
RequestType get() = \"script\".asDynamic().unsafeCast<RequestType>()\n\npublic inline val
RequestType.Companion.STYLE: RequestType get() =
\"style\".asDynamic().unsafeCast<RequestType>()\n\npublic inline val RequestType.Companion.TRACK:
RequestType get() = \"track\".asDynamic().unsafeCast<RequestType>()\n\npublic inline val
RequestType.Companion.VIDEO: RequestType get() = \"video\".asDynamic().unsafeCast<RequestType>()\n\n/*
please, don't implement this interface!
*/\n@JsName(\"null\")\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic external
interface RequestDestination {\n  companion object\n}\n\npublic inline val
RequestDestination.Companion.EMPTY: RequestDestination get() =
\"\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.DOCUMENT: RequestDestination get() =
\"document\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.EMBED: RequestDestination get() =
\"embed\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.FONT: RequestDestination get() =
\"font\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.IMAGE: RequestDestination get() =
\"image\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.MANIFEST: RequestDestination get() =
\"manifest\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.MEDIA: RequestDestination get() =
\"media\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.OBJECT: RequestDestination get() =
\"object\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.REPORT: RequestDestination get() =
\"report\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.SCRIPT: RequestDestination get() =
\"script\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.SERVICEMANIFEST: RequestDestination get() =
\"serviceworker\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.SHAREDWORKER: RequestDestination get() =
\"sharedworker\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.STYLE: RequestDestination get() =
\"style\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.WORKER: RequestDestination get() =
\"worker\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.XSLT: RequestDestination get() =

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\xslt\}.asDynamic().unsafeCast<RequestDestination>()\n\n/* please, don't implement this interface!
*\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic external
interface RequestMode {\n    companion object\n}\n\npublic inline val RequestMode.Companion.NAVIGATE:
RequestMode get() = "navigate".asDynamic().unsafeCast<RequestMode>()\n\npublic inline val
RequestMode.Companion.SAME_ORIGIN: RequestMode get() = "same-
origin".asDynamic().unsafeCast<RequestMode>()\n\npublic inline val RequestMode.Companion.NO_CORS:
RequestMode get() = "no-cors".asDynamic().unsafeCast<RequestMode>()\n\npublic inline val
RequestMode.Companion.CORS: RequestMode get() = "cors".asDynamic().unsafeCast<RequestMode>()\n\n/*
please, don't implement this interface!
*\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic external
interface RequestCredentials {\n    companion object\n}\n\npublic inline val RequestCredentials.Companion.OMIT:
RequestCredentials get() = "omit".asDynamic().unsafeCast<RequestCredentials>()\n\npublic inline val
RequestCredentials.Companion.SAME_ORIGIN: RequestCredentials get() = "same-
origin".asDynamic().unsafeCast<RequestCredentials>()\n\npublic inline val
RequestCredentials.Companion.INCLUDE: RequestCredentials get() =
"include".asDynamic().unsafeCast<RequestCredentials>()\n\n/* please, don't implement this interface!
*\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic external
interface RequestCache {\n    companion object\n}\n\npublic inline val RequestCache.Companion.DEFAULT:
RequestCache get() = "default".asDynamic().unsafeCast<RequestCache>()\n\npublic inline val
RequestCache.Companion.NO_STORE: RequestCache get() = "no-
store".asDynamic().unsafeCast<RequestCache>()\n\npublic inline val RequestCache.Companion.RELOAD:
RequestCache get() = "reload".asDynamic().unsafeCast<RequestCache>()\n\npublic inline val
RequestCache.Companion.NO_CACHE: RequestCache get() = "no-
cache".asDynamic().unsafeCast<RequestCache>()\n\npublic inline val
RequestCache.Companion.FORCE_CACHE: RequestCache get() = "force-
cache".asDynamic().unsafeCast<RequestCache>()\n\npublic inline val
RequestCache.Companion.ONLY_IF_CACHED: RequestCache get() = "only-if-
cached".asDynamic().unsafeCast<RequestCache>()\n\n/* please, don't implement this interface!
*\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic external
interface RequestRedirect {\n    companion object\n}\n\npublic inline val RequestRedirect.Companion.FOLLOW:
RequestRedirect get() = "follow".asDynamic().unsafeCast<RequestRedirect>()\n\npublic inline val
RequestRedirect.Companion.ERROR: RequestRedirect get() =
"error".asDynamic().unsafeCast<RequestRedirect>()\n\npublic inline val RequestRedirect.Companion.MANUAL:
RequestRedirect get() = "manual".asDynamic().unsafeCast<RequestRedirect>()\n\n/* please, don't implement this
interface! *\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic
external interface ResponseType {\n    companion object\n}\n\npublic inline val ResponseType.Companion.BASIC:
ResponseType get() = "basic".asDynamic().unsafeCast<ResponseType>()\n\npublic inline val
ResponseType.Companion.CORS: ResponseType get() =
"cors".asDynamic().unsafeCast<ResponseType>()\n\npublic inline val ResponseType.Companion.DEFAULT:
ResponseType get() = "default".asDynamic().unsafeCast<ResponseType>()\n\npublic inline val
ResponseType.Companion.ERROR: ResponseType get() =
"error".asDynamic().unsafeCast<ResponseType>()\n\npublic inline val ResponseType.Companion.OPAQUE:
ResponseType get() = "opaque".asDynamic().unsafeCast<ResponseType>()\n\npublic inline val
ResponseType.Companion.OPAQUEREDIRECT: ResponseType get() =
"opaqueredirect".asDynamic().unsafeCast<ResponseType>(), "/*\n * Copyright 2010-2021 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n *\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT
EDIT!\n// See github.com/kotlin/dukat for details\n\npackage org.w3c.dom.mediacapture\n\nimport

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kotlin.js.*\nimport org.khronos.webgl.*\nimport org.w3c.dom.*\nimport org.w3c.dom.events.*\n\n/**\n * Exposes the JavaScript [MediaStream](https://developer.mozilla.org/en/docs/Web/API/MediaStream) to Kotlin\n */\npublic external open class MediaStream() : EventTarget, MediaProvider {\n    constructor(stream: MediaStream)\n    constructor(tracks: Array<MediaStreamTrack>)\n    open val id: String\n    open val active: Boolean\n    var onaddtrack: ((MediaStreamTrackEvent) -> dynamic)?\n    var onremovetrack: ((MediaStreamTrackEvent) -> dynamic)?\n    fun getAudioTracks(): Array<MediaStreamTrack>\n    fun getVideoTracks(): Array<MediaStreamTrack>\n    fun getTracks(): Array<MediaStreamTrack>\n    fun getTrackById(trackId: String): MediaStreamTrack?\n    fun addTrack(track: MediaStreamTrack)\n    fun removeTrack(track: MediaStreamTrack)\n    fun clone(): MediaStream\n}\n\n/**\n * Exposes the JavaScript [MediaStreamTrack](https://developer.mozilla.org/en/docs/Web/API/MediaStreamTrack) to Kotlin\n */\npublic external abstract class MediaStreamTrack : EventTarget {\n    open val kind: String\n    open val id: String\n    open val label: String\n    open var enabled: Boolean\n    open val muted: Boolean\n    open var onmute: ((Event) -> dynamic)?\n    open var onunmute: ((Event) -> dynamic)?\n    open val readyState: MediaStreamTrackState\n    open var onended: ((Event) -> dynamic)?\n    open var onoverconstrained: ((Event) -> dynamic)?\n    fun clone(): MediaStreamTrack\n    fun stop()\n    fun getCapabilities(): MediaTrackCapabilities\n    fun getConstraints(): MediaTrackConstraints\n    fun getSettings(): MediaTrackSettings\n    fun applyConstraints(constraints: MediaTrackConstraints = definedExternally): Promise<Unit>\n}\n\n/**\n * Exposes the JavaScript [MediaTrackSupportedConstraints](https://developer.mozilla.org/en/docs/Web/API/MediaTrackSupportedConstraints) to Kotlin\n */\npublic external interface MediaTrackSupportedConstraints {\n    var width: Boolean? /* = true */\n    var height: Boolean? /* = true */\n    var aspectRatio: Boolean? /* = true */\n    var frameRate: Boolean? /* = true */\n    var facingMode: Boolean? /* = true */\n    var resizeMode: Boolean? /* = true */\n    var volume: Boolean? /* = true */\n    var sampleRate: Boolean? /* = true */\n    var sampleSize: Boolean? /* = true */\n    var echoCancellation: Boolean? /* = true */\n    var autoGainControl: Boolean? /* = true */\n    var noiseSuppression: Boolean? /* = true */\n    var latency: Boolean? /* = true */\n    var channelCount: Boolean? /* = true */\n    var deviceId: Boolean? /* = true */\n    var groupId: Boolean? /* = true */\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\", \"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun MediaTrackSupportedConstraints(width: Boolean? = true, height: Boolean? = true, aspectRatio: Boolean? = true, frameRate: Boolean? = true, facingMode: Boolean? = true, resizeMode: Boolean? = true, volume: Boolean? = true, sampleRate: Boolean? = true, sampleSize: Boolean? = true, echoCancellation: Boolean? = true, autoGainControl: Boolean? = true, noiseSuppression: Boolean? = true, latency: Boolean? = true, channelCount: Boolean? = true, deviceId: Boolean? = true, groupId: Boolean? = true): MediaTrackSupportedConstraints {\n    val o = js(\"({})\")\n    o[\"width\"] = width\n    o[\"height\"] = height\n    o[\"aspectRatio\"] = aspectRatio\n    o[\"frameRate\"] = frameRate\n    o[\"facingMode\"] = facingMode\n    o[\"resizeMode\"] = resizeMode\n    o[\"volume\"] = volume\n    o[\"sampleRate\"] = sampleRate\n    o[\"sampleSize\"] = sampleSize\n    o[\"echoCancellation\"] = echoCancellation\n    o[\"autoGainControl\"] = autoGainControl\n    o[\"noiseSuppression\"] = noiseSuppression\n    o[\"latency\"] = latency\n    o[\"channelCount\"] = channelCount\n    o[\"deviceId\"] = deviceId\n    o[\"groupId\"] = groupId\n    return o\n}\n\npublic external interface MediaTrackCapabilities {\n    var width: ULongRange?\n    get() = definedExternally\n    set(value) = definedExternally\n    var height: ULongRange?\n    get() =

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definedExternally\n    set(value) = definedExternally\n    var aspectRatio: DoubleRange?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var frameRate: DoubleRange?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var facingMode: Array<String>?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var resizeMode: Array<String>?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var volume: DoubleRange?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var sampleRate: ULongRange?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var sampleSize: ULongRange?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var echoCancellation: Array<Boolean>?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var autoGainControl: Array<Boolean>?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var noiseSuppression: Array<Boolean>?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var latency: DoubleRange?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var channelCount: ULongRange?\n        get() =
definedExternally\n    set(value) = definedExternally\n    var deviceId: String?\n        get() = definedExternally\n
    set(value) = definedExternally\n    var groupId: String?\n        get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun MediaTrackCapabilities(width:
ULongRange? = undefined, height: ULongRange? = undefined, aspectRatio: DoubleRange? = undefined,
frameRate: DoubleRange? = undefined, facingMode: Array<String>? = undefined, resizeMode: Array<String>? =
undefined, volume: DoubleRange? = undefined, sampleRate: ULongRange? = undefined, sampleSize:
ULongRange? = undefined, echoCancellation: Array<Boolean>? = undefined, autoGainControl: Array<Boolean>?
= undefined, noiseSuppression: Array<Boolean>? = undefined, latency: DoubleRange? = undefined, channelCount:
ULongRange? = undefined, deviceId: String? = undefined, groupId: String? = undefined): MediaTrackCapabilities
{\n    val o = js(\"({})\")\n    o[\"width\"] = width\n    o[\"height\"] = height\n    o[\"aspectRatio\"] = aspectRatio\n
    o[\"frameRate\"] = frameRate\n    o[\"facingMode\"] = facingMode\n    o[\"resizeMode\"] = resizeMode\n
    o[\"volume\"] = volume\n    o[\"sampleRate\"] = sampleRate\n    o[\"sampleSize\"] = sampleSize\n
    o[\"echoCancellation\"] = echoCancellation\n    o[\"autoGainControl\"] = autoGainControl\n
    o[\"noiseSuppression\"] = noiseSuppression\n    o[\"latency\"] = latency\n    o[\"channelCount\"] = channelCount\n
    o[\"deviceId\"] = deviceId\n    o[\"groupId\"] = groupId\n    return o\n}\n\n/**\n * Exposes the JavaScript
[MediaTrackConstraints](https://developer.mozilla.org/en/docs/Web/API/MediaTrackConstraints) to Kotlin\n
*/\npublic external interface MediaTrackConstraints : MediaTrackConstraintSet {\n    var advanced:
Array<MediaTrackConstraintSet>?\n        get() = definedExternally\n        set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun MediaTrackConstraints(advanced:
Array<MediaTrackConstraintSet>? = undefined, width: dynamic = undefined, height: dynamic = undefined,
aspectRatio: dynamic = undefined, frameRate: dynamic = undefined, facingMode: dynamic = undefined,
resizeMode: dynamic = undefined, volume: dynamic = undefined, sampleRate: dynamic = undefined, sampleSize:
dynamic = undefined, echoCancellation: dynamic = undefined, autoGainControl: dynamic = undefined,
noiseSuppression: dynamic = undefined, latency: dynamic = undefined, channelCount: dynamic = undefined,
deviceId: dynamic = undefined, groupId: dynamic = undefined): MediaTrackConstraints {\n    val o = js(\"({})\")\n
    o[\"advanced\"] = advanced\n    o[\"width\"] = width\n    o[\"height\"] = height\n    o[\"aspectRatio\"] =
aspectRatio\n    o[\"frameRate\"] = frameRate\n    o[\"facingMode\"] = facingMode\n    o[\"resizeMode\"] =
resizeMode\n    o[\"volume\"] = volume\n    o[\"sampleRate\"] = sampleRate\n    o[\"sampleSize\"] = sampleSize\n
    o[\"echoCancellation\"] = echoCancellation\n    o[\"autoGainControl\"] = autoGainControl\n
    o[\"noiseSuppression\"] = noiseSuppression\n    o[\"latency\"] = latency\n    o[\"channelCount\"] = channelCount\n
    o[\"deviceId\"] = deviceId\n    o[\"groupId\"] = groupId\n    return o\n}\n\npublic external interface
MediaTrackConstraintSet {\n    var width: dynamic\n        get() = definedExternally\n        set(value) =
definedExternally\n    var height: dynamic\n        get() = definedExternally\n        set(value) = definedExternally\n
    var aspectRatio: dynamic\n        get() = definedExternally\n        set(value) = definedExternally\n    var frameRate:

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dynamic\n    get() = definedExternally\n    set(value) = definedExternally\n    var facingMode: dynamic\n
get() = definedExternally\n    set(value) = definedExternally\n    var resizeMode: dynamic\n    get() =
definedExternally\n    set(value) = definedExternally\n    var volume: dynamic\n    get() = definedExternally\n
    set(value) = definedExternally\n    var sampleRate: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n    var sampleSize: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n    var echoCancellation: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n    var autoGainControl: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n    var noiseSuppression: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n    var latency: dynamic\n    get() = definedExternally\n    set(value) = definedExternally\n
var channelCount: dynamic\n    get() = definedExternally\n    set(value) = definedExternally\n    var deviceId:
dynamic\n    get() = definedExternally\n    set(value) = definedExternally\n    var groupId: dynamic\n    get()
= definedExternally\n    set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun MediaTrackConstraintSet(width:
dynamic = undefined, height: dynamic = undefined, aspectRatio: dynamic = undefined, frameRate: dynamic =
undefined, facingMode: dynamic = undefined, resizeMode: dynamic = undefined, volume: dynamic = undefined,
sampleRate: dynamic = undefined, sampleSize: dynamic = undefined, echoCancellation: dynamic = undefined,
autoGainControl: dynamic = undefined, noiseSuppression: dynamic = undefined, latency: dynamic = undefined,
channelCount: dynamic = undefined, deviceId: dynamic = undefined, groupId: dynamic = undefined):
MediaTrackConstraintSet {\n    val o = js("{}")\n    o["width"] = width\n    o["height"] = height\n
o["aspectRatio"] = aspectRatio\n    o["frameRate"] = frameRate\n    o["facingMode"] = facingMode\n
o["resizeMode"] = resizeMode\n    o["volume"] = volume\n    o["sampleRate"] = sampleRate\n
o["sampleSize"] = sampleSize\n    o["echoCancellation"] = echoCancellation\n    o["autoGainControl"] =
autoGainControl\n    o["noiseSuppression"] = noiseSuppression\n    o["latency"] = latency\n
o["channelCount"] = channelCount\n    o["deviceId"] = deviceId\n    o["groupId"] = groupId\n    return
o\n}\n\n/**\n * Exposes the JavaScript
[MediaTrackSettings](https://developer.mozilla.org/en/docs/Web/API/MediaTrackSettings) to Kotlin\n\n *\n\npublic
external interface MediaTrackSettings {\n    var width: Int?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var height: Int?\n    get() = definedExternally\n    set(value) = definedExternally\n    var
aspectRatio: Double?\n    get() = definedExternally\n    set(value) = definedExternally\n    var frameRate:
Double?\n    get() = definedExternally\n    set(value) = definedExternally\n    var facingMode: String?\n
get() = definedExternally\n    set(value) = definedExternally\n    var resizeMode: String?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var volume: Double?\n    get() = definedExternally\n
    set(value) = definedExternally\n    var sampleRate: Int?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var sampleSize: Int?\n    get() = definedExternally\n    set(value) = definedExternally\n
var echoCancellation: Boolean?\n    get() = definedExternally\n    set(value) = definedExternally\n    var
autoGainControl: Boolean?\n    get() = definedExternally\n    set(value) = definedExternally\n    var
noiseSuppression: Boolean?\n    get() = definedExternally\n    set(value) = definedExternally\n    var latency:
Double?\n    get() = definedExternally\n    set(value) = definedExternally\n    var channelCount: Int?\n
get() = definedExternally\n    set(value) = definedExternally\n    var deviceId: String?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var groupId: String?\n    get() = definedExternally\n
    set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun MediaTrackSettings(width: Int? =
undefined, height: Int? = undefined, aspectRatio: Double? = undefined, frameRate: Double? = undefined,
facingMode: String? = undefined, resizeMode: String? = undefined, volume: Double? = undefined, sampleRate: Int?
= undefined, sampleSize: Int? = undefined, echoCancellation: Boolean? = undefined, autoGainControl: Boolean? =
undefined, noiseSuppression: Boolean? = undefined, latency: Double? = undefined, channelCount: Int? = undefined,
deviceId: String? = undefined, groupId: String? = undefined): MediaTrackSettings {\n    val o = js("{}")\n
o["width"] = width\n    o["height"] = height\n    o["aspectRatio"] = aspectRatio\n    o["frameRate"] =

```

```

frameRate\n  o["facingMode"] = facingMode\n  o["resizeMode"] = resizeMode\n  o["volume"] = volume\n
o["sampleRate"] = sampleRate\n  o["sampleSize"] = sampleSize\n  o["echoCancellation"] =
echoCancellation\n  o["autoGainControl"] = autoGainControl\n  o["noiseSuppression"] = noiseSuppression\n
o["latency"] = latency\n  o["channelCount"] = channelCount\n  o["deviceId"] = deviceId\n  o["groupId"] =
groupId\n  return o\n}\n\n**\n * Exposes the JavaScript
[MediaStreamTrackEvent](https://developer.mozilla.org/en/docs/Web/API/MediaStreamTrackEvent) to Kotlin\n
*\npublic external open class MediaStreamTrackEvent(type: String, eventInitDict: MediaStreamTrackEventInit) :
Event {\n  open val track: MediaStreamTrack\n\n  companion object {\n    val NONE: Short\n    val
CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n
}\n}\n\npublic external interface MediaStreamTrackEventInit : EventInit {\n  var track:
MediaStreamTrack?\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun MediaStreamTrackEventInit(track:
MediaStreamTrack?, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false):
MediaStreamTrackEventInit {\n  val o = js("{}")\n  o["track"] = track\n  o["bubbles"] = bubbles\n
o["cancelable"] = cancelable\n  o["composed"] = composed\n  return o\n}\n\npublic external open class
OverconstrainedErrorEvent(type: String, eventInitDict: OverconstrainedErrorEventInit) : Event {\n  open val error:
dynamic\n\n  companion object {\n    val NONE: Short\n    val CAPTURING_PHASE: Short\n    val
AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n  }\n}\n\npublic external interface
OverconstrainedErrorEventInit : EventInit {\n  var error: dynamic /* = null */\n  get() = definedExternally\n
set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun OverconstrainedErrorEventInit(error:
dynamic = null, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false):
OverconstrainedErrorEventInit {\n  val o = js("{}")\n  o["error"] = error\n  o["bubbles"] = bubbles\n
o["cancelable"] = cancelable\n  o["composed"] = composed\n  return o\n}\n\n**\n * Exposes the JavaScript
[MediaDevices](https://developer.mozilla.org/en/docs/Web/API/MediaDevices) to Kotlin\n
*\npublic external
abstract class MediaDevices : EventTarget {\n  open var ondevicechange: ((Event) -> dynamic)?\n  fun
enumerateDevices(): Promise<Array<MediaDeviceInfo>>\n  fun getSupportedConstraints():
MediaTrackSupportedConstraints\n  fun getUserMedia(constraints: MediaStreamConstraints = definedExternally):
Promise<MediaStream>\n}\n\n**\n * Exposes the JavaScript
[MediaDeviceInfo](https://developer.mozilla.org/en/docs/Web/API/MediaDeviceInfo) to Kotlin\n
*\npublic
external abstract class MediaDeviceInfo {\n  open val deviceId: String\n  open val kind: MediaDeviceKind\n
open val label: String\n  open val groupId: String\n  fun toJSON(): dynamic\n}\n\npublic external abstract class
InputDeviceInfo : MediaDeviceInfo {\n  fun getCapabilities(): MediaTrackCapabilities\n}\n\n**\n * Exposes the
JavaScript [MediaStreamConstraints](https://developer.mozilla.org/en/docs/Web/API/MediaStreamConstraints) to
Kotlin\n
*\npublic external interface MediaStreamConstraints {\n  var video: dynamic /* = false */\n  get() =
definedExternally\n  set(value) = definedExternally\n  var audio: dynamic /* = false */\n  get() =
definedExternally\n  set(value) = definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun MediaStreamConstraints(video:
dynamic = false, audio: dynamic = false): MediaStreamConstraints {\n  val o = js("{}")\n  o["video"] =
video\n  o["audio"] = audio\n  return o\n}\n\npublic external interface ConstrainingPattern {\n  var
onoverconstrained: ((Event) -> dynamic)?\n  get() = definedExternally\n  set(value) = definedExternally\n
fun getCapabilities(): Capabilities\n  fun getConstraints(): Constraints\n  fun getSettings(): Settings\n  fun
applyConstraints(constraints: Constraints = definedExternally): Promise<Unit>\n}\n\n**\n * Exposes the
JavaScript [DoubleRange](https://developer.mozilla.org/en/docs/Web/API/DoubleRange) to Kotlin\n
*\npublic
external interface DoubleRange {\n  var max: Double?\n  get() = definedExternally\n  set(value) =
definedExternally\n  var min: Double?\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun DoubleRange(max: Double? =

```

```

undefined, min: Double? = undefined): DoubleRange {
    val o = js("{}")
    o["max"] = max
    o["min"] = min
    return o
}

public external interface ConstrainDoubleRange : DoubleRange {
    var exact: Double?
    get() = definedExternally
    set(value) = definedExternally
    var ideal: Double?
    get() = definedExternally
    set(value) = definedExternally
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun ConstrainDoubleRange(exact: Double? = undefined, ideal: Double? = undefined, max: Double? = undefined, min: Double? = undefined): DoubleRange {
    val o = js("{}")
    o["exact"] = exact
    o["ideal"] = ideal
    o["max"] = max
    o["min"] = min
    return o
}

public external interface ULongRange {
    var max: Int?
    get() = definedExternally
    set(value) = definedExternally
    var min: Int?
    get() = definedExternally
    set(value) = definedExternally
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun ULongRange(max: Int? = undefined, min: Int? = undefined): ULongRange {
    val o = js("{}")
    o["max"] = max
    o["min"] = min
    return o
}

public external interface ConstrainULongRange : ULongRange {
    var exact: Int?
    get() = definedExternally
    set(value) = definedExternally
    var ideal: Int?
    get() = definedExternally
    set(value) = definedExternally
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun ConstrainULongRange(exact: Int? = undefined, ideal: Int? = undefined, max: Int? = undefined, min: Int? = undefined): ConstrainULongRange {
    val o = js("{}")
    o["exact"] = exact
    o["ideal"] = ideal
    o["max"] = max
    o["min"] = min
    return o
}

/** Exposes the JavaScript [ConstrainBooleanParameters](https://developer.mozilla.org/en/docs/Web/API/ConstrainBooleanParameters) to Kotlin */
public external interface ConstrainBooleanParameters {
    var exact: Boolean?
    get() = definedExternally
    set(value) = definedExternally
    var ideal: Boolean?
    get() = definedExternally
    set(value) = definedExternally
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun ConstrainBooleanParameters(exact: Boolean? = undefined, ideal: Boolean? = undefined): ConstrainBooleanParameters {
    val o = js("{}")
    o["exact"] = exact
    o["ideal"] = ideal
    return o
}

/** Exposes the JavaScript [ConstrainDOMStringParameters](https://developer.mozilla.org/en/docs/Web/API/ConstrainDOMStringParameters) to Kotlin */
public external interface ConstrainDOMStringParameters {
    var exact: dynamic
    get() = definedExternally
    set(value) = definedExternally
    var ideal: dynamic
    get() = definedExternally
    set(value) = definedExternally
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun ConstrainDOMStringParameters(exact: dynamic = undefined, ideal: dynamic = undefined): ConstrainDOMStringParameters {
    val o = js("{}")
    o["exact"] = exact
    o["ideal"] = ideal
    return o
}

public external interface Capabilities {
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun Capabilities(): Capabilities {
    val o = js("{}")
    return o
}

public external interface Settings {
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun Settings(): Settings {
    val o = js("{}")
    return o
}

public external interface ConstraintSet {
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun ConstraintSet(): ConstraintSet {
    val o = js("{}")
    return o
}

public external interface Constraints : ConstraintSet {
    var advanced: Array<ConstraintSet>?
    get() = definedExternally
    set(value) = definedExternally
}

@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun Constraints(advanced: Array<ConstraintSet>? = undefined): Constraints {
    val o = js("{}")
    o["advanced"] = advanced
    return o
}

/* please, don't implement this interface! */
@JsName("null")
@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")
public external interface MediaStreamTrackState {
    companion object {
        public inline val MediaStreamTrackState.Companion.LIVE: MediaStreamTrackState
        get() =

```



```

external abstract class SourceBufferList : EventTarget {
    open val length: Int
    open var onaddsourcebuffer:
        ((Event) -> dynamic)?
    open var onremovesourcebuffer: ((Event) ->
        dynamic)?
}
@Suppress("INVISIBLE_REFERENCE",
    "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline operator fun SourceBufferList.get(index:
    Int): SourceBuffer? = asDynamic()[index]
/* please, don't implement this interface!
*/
@JsName("null")
@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")
public external
interface ReadyState {
    companion object
}
public inline val ReadyState.Companion.CLOSED: ReadyState
get() = "closed".asDynamic().unsafeCast<ReadyState>()
public inline val ReadyState.Companion.OPEN:
    ReadyState get() = "open".asDynamic().unsafeCast<ReadyState>()
public inline val
    ReadyState.Companion.ENDED: ReadyState get() = "ended".asDynamic().unsafeCast<ReadyState>()
/* please, don't implement this interface!
*/
@JsName("null")
@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")
public external
interface EndOfStreamError {
    companion object
}
public inline val
    EndOfStreamError.Companion.NETWORK: EndOfStreamError get() =
    "network".asDynamic().unsafeCast<EndOfStreamError>()
public inline val
    EndOfStreamError.Companion.DECODE: EndOfStreamError get() =
    "decode".asDynamic().unsafeCast<EndOfStreamError>()
/* please, don't implement this interface!
*/
@JsName("null")
@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")
public external
interface AppendMode {
    companion object
}
public inline val AppendMode.Companion.SEGMENTS:
    AppendMode get() = "segments".asDynamic().unsafeCast<AppendMode>()
public inline val
    AppendMode.Companion.SEQUENCE: AppendMode get() =
    "sequence".asDynamic().unsafeCast<AppendMode>()
/*
 * Copyright 2010-2021 JetBrains s.r.o. and Kotlin
 * Programming Language contributors.
 * Use of this source code is governed by the Apache 2.0 license that can be
 * found in the license/LICENSE.txt file.
*/
@NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT!
See github.com/kotlin/dukat for details
package org.w3c.dom.pointerevents
import kotlin.js.*
import org.khronos.webgl.*
import org.w3c.dom.*
import org.w3c.dom.events.*
public external interface
    PointerEventInit : MouseEventInit {
    var pointerId: Int? /* = 0 */
    get() = definedExternally
    set(value) = definedExternally
    var width: Double? /* = 1.0 */
    get() = definedExternally
    set(value) =
        definedExternally
    var height: Double? /* = 1.0 */
    get() = definedExternally
    set(value) =
        definedExternally
    var pressure: Float? /* = 0f */
    get() = definedExternally
    set(value) =
        definedExternally
    var tangentialPressure: Float? /* = 0f */
    get() = definedExternally
    set(value) =
        definedExternally
    var tiltX: Int? /* = 0 */
    get() = definedExternally
    set(value) = definedExternally
    var tiltY: Int? /* = 0 */
    get() = definedExternally
    set(value) = definedExternally
    var twist: Int? /* =
        0 */
    get() = definedExternally
    set(value) = definedExternally
    var pointerType: String? /* = "" */
    get() = definedExternally
    set(value) = definedExternally
    var isPrimary: Boolean? /* = false */
    get() = definedExternally
    set(value) = definedExternally
}
@Suppress("INVISIBLE_REFERENCE",
    "INVISIBLE_MEMBER")
@kotlin.internal.InlineOnly
public inline fun PointerEventInit(pointerId: Int? = 0,
    width: Double? = 1.0, height: Double? = 1.0, pressure: Float? = 0f,
    tangentialPressure: Float? = 0f, tiltX: Int? = 0, tiltY: Int? = 0,
    twist: Int? = 0, pointerType: String? = "", isPrimary: Boolean? = false,
    screenX: Int? = 0, screenY: Int? = 0, clientX: Int? = 0, clientY: Int? = 0,
    button: Short? = 0, buttons: Short? = 0, relatedTarget: EventTarget? =
        null, region: String? = null, ctrlKey: Boolean? = false, shiftKey: Boolean? = false, altKey: Boolean? = false,
    metaKey: Boolean? = false, modifierAltGraph: Boolean? = false, modifierCapsLock: Boolean? = false, modifierFn:
        Boolean? = false, modifierFnLock: Boolean? = false, modifierHyper: Boolean? = false, modifierNumLock:
        Boolean? = false, modifierScrollLock: Boolean? = false, modifierSuper: Boolean? = false, modifierSymbol:
        Boolean? = false, modifierSymbolLock: Boolean? = false, view: Window? = null, detail: Int? = 0, bubbles:
        Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): PointerEventInit {
    val o =
        js("{}")
    o["pointerId"] = pointerId
    o["width"] = width
    o["height"] = height
    o["pressure"] =
        pressure
    o["tangentialPressure"] = tangentialPressure
    o["tiltX"] = tiltX
    o["tiltY"] = tiltY
}

```

```

o["twist"] = twist\n o["pointerType"] = pointerType\n o["isPrimary"] = isPrimary\n o["screenX"] =
screenX\n o["screenY"] = screenY\n o["clientX"] = clientX\n o["clientY"] = clientY\n o["button"] =
button\n o["buttons"] = buttons\n o["relatedTarget"] = relatedTarget\n o["region"] = region\n
o["ctrlKey"] = ctrlKey\n o["shiftKey"] = shiftKey\n o["altKey"] = altKey\n o["metaKey"] = metaKey\n
o["modifierAltGraph"] = modifierAltGraph\n o["modifierCapsLock"] = modifierCapsLock\n
o["modifierFn"] = modifierFn\n o["modifierFnLock"] = modifierFnLock\n o["modifierHyper"] =
modifierHyper\n o["modifierNumLock"] = modifierNumLock\n o["modifierScrollLock"] =
modifierScrollLock\n o["modifierSuper"] = modifierSuper\n o["modifierSymbol"] = modifierSymbol\n
o["modifierSymbolLock"] = modifierSymbolLock\n o["view"] = view\n o["detail"] = detail\n
o["bubbles"] = bubbles\n o["cancelable"] = cancelable\n o["composed"] = composed\n return
o\n}\n\n/**\n * Exposes the JavaScript

```

```

[PointerEvent](https://developer.mozilla.org/en/docs/Web/API/PointerEvent) to Kotlin\n */\npublic external open
class PointerEvent(type: String, eventInitDict: PointerEventInit = definedExternally) : MouseEvent {\n open val
pointerId: Int\n open val width: Double\n open val height: Double\n open val pressure: Float\n open val
tangentialPressure: Float\n open val tiltX: Int\n open val tiltY: Int\n open val twist: Int\n open val
pointerType: String\n open val isPrimary: Boolean\n\n companion object {\n val NONE: Short\n val
CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val BUBBLING_PHASE: Short\n }\n}"/*\n
* Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code
is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n// NOTE: THIS
FILE IS AUTO-GENERATED, DO NOT EDIT!\n// See github.com/kotlin/dukat for details\n\npackage
org.w3c.dom.svg\n\nimport kotlin.js.*\nimport org.khronos.webgl.*\nimport org.w3c.dom.*\nimport
org.w3c.dom.css.*\n\n/**\n * Exposes the JavaScript

```

```

[SVGElement](https://developer.mozilla.org/en/docs/Web/API/SVGElement) to Kotlin\n */\npublic external
abstract class SVGElement : Element, ElementCSSInlineStyle, GlobalEventHandlers, SVGElementInstance {\n
open val dataset: DOMStringMap\n open val ownerSVGElement: SVGSVGElement?\n open val
viewportElement: SVGElement?\n open var tabIndex: Int\n fun focus()\n fun blur()\n\n companion object
{\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n
val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val
ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE:
Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\npublic external interface
SVGBoundingBoxOptions {\n var fill: Boolean? /* = true */\n get() = definedExternally\n set(value) =
definedExternally\n var stroke: Boolean? /* = false */\n get() = definedExternally\n set(value) =
definedExternally\n var markers: Boolean? /* = false */\n get() = definedExternally\n set(value) =
definedExternally\n var clipped: Boolean? /* = false */\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n\n@kotlin.internal.InlineOnly\npublic inline fun SVGBoundingBoxOptions(fill:
Boolean? = true, stroke: Boolean? = false, markers: Boolean? = false, clipped: Boolean? = false):
SVGBoundingBoxOptions {\n val o = js("{}")\n o["fill"] = fill\n o["stroke"] = stroke\n o["markers"]
= markers\n o["clipped"] = clipped\n return o\n}\n\n/**\n * Exposes the JavaScript

```

```

[SVGGraphicsElement](https://developer.mozilla.org/en/docs/Web/API/SVGGraphicsElement) to Kotlin\n
*/\npublic external abstract class SVGGraphicsElement : SVGElement, SVGTTests {\n open val transform:
SVGAnimatedTransformList\n fun getBBBox(options: SVGBoundingBoxOptions = definedExternally):
DOMRect\n fun getCTM(): DOMMatrix?\n fun getScreenCTM(): DOMMatrix?\n\n companion object {\n

```

```

val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGGeometryElement](https://developer.mozilla.org/en/docs/Web/API/SVGGeometryElement) to Kotlin \n
* \n public external abstract class SVGGeometryElement : SVGGraphicsElement { \n    open val pathLength:
SVGAnimatedNumber \n    fun isPointInFill(point: DOMPoint): Boolean \n    fun isPointInStroke(point: DOMPoint):
Boolean \n    fun getTotalLength(): Float \n    fun getPointAtLength(distance: Float): DOMPoint \n \n    companion
object { \n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE:
Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val
ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE:
Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGNumber](https://developer.mozilla.org/en/docs/Web/API/SVGNumber) to Kotlin \n
* \n public external
abstract class SVGNumber { \n    open var value: Float \n \n \n /** \n * Exposes the JavaScript
[SVGLength](https://developer.mozilla.org/en/docs/Web/API/SVGLength) to Kotlin \n
* \n public external abstract
class SVGLength { \n    open val unitType: Short\n    open var value: Float\n    open var valueInSpecifiedUnits:
Float\n    open var valueAsString: String\n    fun newValueSpecifiedUnits(unitType: Short, valueInSpecifiedUnits:
Float)\n    fun convertToSpecifiedUnits(unitType: Short)\n \n    companion object { \n        val
SVG_LENGTHTYPE_UNKNOWN: Short\n        val SVG_LENGTHTYPE_NUMBER: Short\n        val
SVG_LENGTHTYPE_PERCENTAGE: Short\n        val SVG_LENGTHTYPE_EMS: Short\n        val
SVG_LENGTHTYPE_EXS: Short\n        val SVG_LENGTHTYPE_PX: Short\n        val
SVG_LENGTHTYPE_CM: Short\n        val SVG_LENGTHTYPE_MM: Short\n        val
SVG_LENGTHTYPE_IN: Short\n        val SVG_LENGTHTYPE_PT: Short\n        val SVG_LENGTHTYPE_PC:
Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGAngle](https://developer.mozilla.org/en/docs/Web/API/SVGAngle) to Kotlin \n
* \n public external abstract
class SVGAngle { \n    open val unitType: Short\n    open var value: Float\n    open var valueInSpecifiedUnits:
Float\n    open var valueAsString: String\n    fun newValueSpecifiedUnits(unitType: Short, valueInSpecifiedUnits:
Float)\n    fun convertToSpecifiedUnits(unitType: Short)\n \n    companion object { \n        val
SVG_ANGLETYPE_UNKNOWN: Short\n        val SVG_ANGLETYPE_UNSPECIFIED: Short\n        val
SVG_ANGLETYPE_DEG: Short\n        val SVG_ANGLETYPE_RAD: Short\n        val
SVG_ANGLETYPE_GRAD: Short\n    } \n} \n \n public external abstract class SVGNameList { \n    open val length:
Int\n    open val numberOfItems: Int\n    fun clear()\n    fun initialize(newItem: dynamic): dynamic\n    fun
insertItemBefore(newItem: dynamic, index: Int): dynamic\n    fun replaceItem(newItem: dynamic, index: Int):
dynamic\n    fun removeItem(index: Int): dynamic\n    fun appendItem(newItem: dynamic): dynamic\n    fun
getItem(index: Int): dynamic \n} \n \n @Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER") \n @kotlin.internal.InlineOnly \n public inline operator fun SVGNameList.get(index: Int):
dynamic = asDynamic()[index] \n \n @Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER") \n @kotlin.internal.InlineOnly \n public inline operator fun SVGNameList.set(index: Int,

```

```

newItem: dynamic) { asDynamic()[index] = newItem } \n\n/** \n * Exposes the JavaScript
[SVGNumberList](https://developer.mozilla.org/en/docs/Web/API/SVGNumberList) to Kotlin \n * \n public external
abstract class SVGNumberList { \n   open val length: Int \n   open val numberOfItems: Int \n   fun clear() \n   fun
initialize(newItem: SVGNumber): SVGNumber \n   fun insertItemBefore(newItem: SVGNumber, index: Int):
SVGNumber \n   fun replaceItem(newItem: SVGNumber, index: Int): SVGNumber \n   fun removeItem(index: Int):
SVGNumber \n   fun appendItem(newItem: SVGNumber): SVGNumber \n   fun getItem(index: Int):
SVGNumber \n } \n\n @Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER") \n @kotlin.internal.InlineOnly \n public inline operator fun SVGNumberList.get(index:
Int): SVGNumber? = asDynamic()[index] \n\n @Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER") \n @kotlin.internal.InlineOnly \n public inline operator fun SVGNumberList.set(index:
Int, newItem: SVGNumber) { asDynamic()[index] = newItem } \n\n /** \n * Exposes the JavaScript
[SVGLengthList](https://developer.mozilla.org/en/docs/Web/API/SVGLengthList) to Kotlin \n * \n public external
abstract class SVGLengthList { \n   open val length: Int \n   open val numberOfItems: Int \n   fun clear() \n   fun
initialize(newItem: SVGLength): SVGLength \n   fun insertItemBefore(newItem: SVGLength, index: Int):
SVGLength \n   fun replaceItem(newItem: SVGLength, index: Int): SVGLength \n   fun removeItem(index: Int):
SVGLength \n   fun appendItem(newItem: SVGLength): SVGLength \n   fun getItem(index: Int):
SVGLength \n } \n\n @Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER") \n @kotlin.internal.InlineOnly \n public inline operator fun SVGLengthList.get(index:
Int): SVGLength? = asDynamic()[index] \n\n @Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER") \n @kotlin.internal.InlineOnly \n public inline operator fun SVGLengthList.set(index: Int,
newItem: SVGLength) { asDynamic()[index] = newItem } \n\n /** \n * Exposes the JavaScript
[SVGAnimatedBoolean](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedBoolean) to Kotlin \n
* \n public external abstract class SVGAnimatedBoolean { \n   open var baseVal: Boolean \n   open val animVal:
Boolean \n } \n\n /** \n * Exposes the JavaScript
[SVGAnimatedEnumeration](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedEnumeration) to
Kotlin \n * \n public external abstract class SVGAnimatedEnumeration { \n   open var baseVal: Short \n   open val
animVal: Short \n } \n\n /** \n * Exposes the JavaScript
[SVGAnimatedInteger](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedInteger) to Kotlin \n
* \n public external abstract class SVGAnimatedInteger { \n   open var baseVal: Int \n   open val animVal:
Int \n } \n\n /** \n * Exposes the JavaScript
[SVGAnimatedNumber](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedNumber) to Kotlin \n
* \n public external abstract class SVGAnimatedNumber { \n   open var baseVal: Float \n   open val animVal:
Float \n } \n\n /** \n * Exposes the JavaScript
[SVGAnimatedLength](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedLength) to Kotlin \n
* \n public external abstract class SVGAnimatedLength { \n   open val baseVal: SVGLength \n   open val animVal:
SVGLength \n } \n\n /** \n * Exposes the JavaScript
[SVGAnimatedAngle](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedAngle) to Kotlin \n * \n public
external abstract class SVGAnimatedAngle { \n   open val baseVal: SVGAngle \n   open val animVal:
SVGAngle \n } \n\n /** \n * Exposes the JavaScript
[SVGAnimatedString](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedString) to Kotlin \n * \n public
external abstract class SVGAnimatedString { \n   open var baseVal: String \n   open val animVal: String \n } \n\n /** \n
* Exposes the JavaScript [SVGAnimatedRect](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedRect)
to Kotlin \n * \n public external abstract class SVGAnimatedRect { \n   open val baseVal: DOMRect \n   open val
animVal: DOMRectReadOnly \n } \n\n /** \n * Exposes the JavaScript
[SVGAnimatedNumberList](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedNumberList) to Kotlin \n
* \n public external abstract class SVGAnimatedNumberList { \n   open val baseVal: SVGNumberList \n   open val
animVal: SVGNumberList \n } \n\n /** \n * Exposes the JavaScript
[SVGAnimatedLengthList](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedLengthList) to Kotlin \n

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*\npublic external abstract class SVGAnimatedLengthList {\n  open val baseVal: SVGLengthList\n  open val animVal: SVGLengthList\n}\n\n**\n * Exposes the JavaScript
[SVGStringList](https://developer.mozilla.org/en/docs/Web/API/SVGStringList) to Kotlin\n
*\npublic external abstract class SVGStringList {\n  open val length: Int\n  open val numberOfItems: Int\n  fun clear()\n  fun initialize(newItem: String): String\n  fun insertItemBefore(newItem: String, index: Int): String\n  fun replaceItem(newItem: String, index: Int): String\n  fun removeItem(index: Int): String\n  fun appendItem(newItem: String): String\n  fun getItem(index: Int): String\n}\n\n@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun SVGStringList.get(index: Int): String? = asDynamic()[index]\n\n@Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun SVGStringList.set(index: Int, newItem: String) { asDynamic()[index] = newItem }\n\n**\n * Exposes the JavaScript
[SVGUnitTypes](https://developer.mozilla.org/en/docs/Web/API/SVGUnitTypes) to Kotlin\n
*\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface SVGUnitTypes {\n  companion object {\n    val SVG_UNIT_TYPE_UNKNOWN: Short\n    val SVG_UNIT_TYPE_USERSPACEONUSE: Short\n    val SVG_UNIT_TYPE_OBJECTBOUNDINGBOX: Short\n  }\n}\n\n**\n * Exposes the JavaScript
[SVGTTests](https://developer.mozilla.org/en/docs/Web/API/SVGTTests) to Kotlin\n
*\npublic external interface SVGTTests {\n  val requiredExtensions: SVGStringList\n  val systemLanguage: SVGStringList\n}\n\npublic external interface SVGFitToViewBox {\n  val viewBox: SVGAnimatedRect\n  val preserveAspectRatio: SVGAnimatedPreserveAspectRatio\n}\n\n**\n * Exposes the JavaScript
[SVGZoomAndPan](https://developer.mozilla.org/en/docs/Web/API/SVGZoomAndPan) to Kotlin\n
*\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface SVGZoomAndPan {\n  var zoomAndPan: Short\n\n  companion object {\n    val SVG_ZOOMANDPAN_UNKNOWN: Short\n    val SVG_ZOOMANDPAN_DISABLE: Short\n    val SVG_ZOOMANDPAN_MAGNIFY: Short\n  }\n}\n\n**\n * Exposes the JavaScript
[SVGURIReference](https://developer.mozilla.org/en/docs/Web/API/SVGURIReference) to Kotlin\n
*\npublic external interface SVGURIReference {\n  val href: SVGAnimatedString\n}\n\n**\n * Exposes the JavaScript
[SVGSVGElement](https://developer.mozilla.org/en/docs/Web/API/SVGSVGElement) to Kotlin\n
*\npublic external abstract class SVGSVGElement : SVGGraphicsElement, SVGFitToViewBox, SVGZoomAndPan, WindowEventHandlers {\n  open val x: SVGAnimatedLength\n  open val y: SVGAnimatedLength\n  open val width: SVGAnimatedLength\n  open val height: SVGAnimatedLength\n  open var currentScale: Float\n  open val currentTranslate: DOMPointReadOnly\n  fun getIntersectionList(rect: DOMRectReadOnly, referenceElement: SVGElement?): NodeList\n  fun getEnclosureList(rect: DOMRectReadOnly, referenceElement: SVGElement?): NodeList\n  fun checkIntersection(element: SVGElement, rect: DOMRectReadOnly): Boolean\n  fun checkEnclosure(element: SVGElement, rect: DOMRectReadOnly): Boolean\n  fun deselectAll()\n  fun createSVGNumber(): SVGNumber\n  fun createSVGLength(): SVGLength\n  fun createSVGAngle(): SVGAngle\n  fun createSVGPoint(): DOMPoint\n  fun createSVGMatrix(): DOMMatrix\n  fun createSVGRect(): DOMRect\n  fun createSVGTransform(): SVGTransform\n  fun createSVGTransformFromMatrix(matrix: DOMMatrixReadOnly): SVGTransform\n  fun getElementById(elementId: String): Element\n  fun suspendRedraw(maxWaitMilliseconds: Int): Int\n  fun unsuspendRedraw(suspendHandleID: Int)\n  fun unsuspendRedrawAll()\n  fun forceRedraw()\n\n  companion object {\n    val SVG_ZOOMANDPAN_UNKNOWN: Short\n    val SVG_ZOOMANDPAN_DISABLE: Short\n    val SVG_ZOOMANDPAN_MAGNIFY: Short\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n  }\n}

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DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGGElement](https://developer.mozilla.org/en/docs/Web/API/SVGGElement) to Kotlin \n * \n public external
abstract class SVGGElement : SVGGraphicsElement { \n    companion object { \n        val ELEMENT_NODE:
Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE:
Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n public external abstract class
SVGUnknownElement : SVGGraphicsElement { \n    companion object { \n        val ELEMENT_NODE: Short\n
val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n
val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGDefsElement](https://developer.mozilla.org/en/docs/Web/API/SVGDefsElement) to Kotlin \n * \n public
external abstract class SVGDefsElement : SVGGraphicsElement { \n    companion object { \n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGDescElement](https://developer.mozilla.org/en/docs/Web/API/SVGDescElement) to Kotlin \n * \n public
external abstract class SVGDescElement : SVGElement { \n    companion object { \n        val ELEMENT_NODE:
Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE:
Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript

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[SVGMetadataElement](https://developer.mozilla.org/en/docs/Web/API/SVGMetadataElement) to Kotlin
*\npublic external abstract class SVGMetadataElement : SVGElement {\n  companion object {\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[SVGTitleElement](https://developer.mozilla.org/en/docs/Web/API/SVGTitleElement) to Kotlin
*\npublic
external abstract class SVGTitleElement : SVGElement {\n  companion object {\n    val ELEMENT_NODE:
Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE:
Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[SVGSymbolElement](https://developer.mozilla.org/en/docs/Web/API/SVGSymbolElement) to Kotlin
*\npublic
external abstract class SVGSymbolElement : SVGGraphicsElement, SVGFitToViewBox {\n  companion object
{\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n
    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val
ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE:
Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[SVGUseElement](https://developer.mozilla.org/en/docs/Web/API/SVGUseElement) to Kotlin
*\npublic external
abstract class SVGUseElement : SVGGraphicsElement, SVGURIReference {\n  open val x:
SVGAnimatedLength\n  open val y: SVGAnimatedLength\n  open val width: SVGAnimatedLength\n
  open val height: SVGAnimatedLength\n  open val instanceRoot: SVGElement?\n  open val animatedInstanceRoot:
SVGElement?\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE:
Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\npublic external open class
SVGUseElementShadowRoot : ShadowRoot {\n  companion object {\n    val ELEMENT_NODE: Short\n

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SVGTransform\n fun removeItem(index: Int): SVGTransform\n fun addItem(newItem: SVGTransform):
SVGTransform\n fun createSVGTransformFromMatrix(matrix: DOMMatrixReadOnly): SVGTransform\n fun
consolidate(): SVGTransform?\n fun getItem(index: Int):
SVGTransform\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun SVGTransformList.get(index:
Int): SVGTransform? = asDynamic()[index]\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline operator fun SVGTransformList.set(index:
Int, newItem: SVGTransform) { asDynamic()[index] = newItem }\n\n/**\n * Exposes the JavaScript
[SVGAnimatedTransformList](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedTransformList) to
Kotlin\n */\npublic external abstract class SVGAnimatedTransformList {\n open val baseVal:
SVGTransformList\n open val animVal: SVGTransformList\n}\n\n/**\n * Exposes the JavaScript
[SVGPreserveAspectRatio](https://developer.mozilla.org/en/docs/Web/API/SVGPreserveAspectRatio) to Kotlin\n
*/\npublic external abstract class SVGPreserveAspectRatio {\n open var align: Short\n open var meetOrSlice:
Short\n\n companion object {\n val SVG_PRESERVEASPECTRATIO_UNKNOWN: Short\n val
SVG_PRESERVEASPECTRATIO_NONE: Short\n val SVG_PRESERVEASPECTRATIO_XMINYMIN:
Short\n val SVG_PRESERVEASPECTRATIO_XMIDYMIN: Short\n val
SVG_PRESERVEASPECTRATIO_XMAXYMIN: Short\n val
SVG_PRESERVEASPECTRATIO_XMINYMID: Short\n val
SVG_PRESERVEASPECTRATIO_XMIDYMID: Short\n val
SVG_PRESERVEASPECTRATIO_XMAXYMID: Short\n val
SVG_PRESERVEASPECTRATIO_XMINYMAX: Short\n val
SVG_PRESERVEASPECTRATIO_XMIDYMAX: Short\n val
SVG_PRESERVEASPECTRATIO_XMAXYMAX: Short\n val SVG_MEETORSLICE_UNKNOWN: Short\n
val SVG_MEETORSLICE_MEET: Short\n val SVG_MEETORSLICE_SLICE: Short\n }\n}\n\n/**\n *
Exposes the JavaScript
[SVGAnimatedPreserveAspectRatio](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedPreserveAspect
Ratio) to Kotlin\n */\npublic external abstract class SVGAnimatedPreserveAspectRatio {\n open val baseVal:
SVGPreserveAspectRatio\n open val animVal: SVGPreserveAspectRatio\n}\n\n/**\n * Exposes the JavaScript
[SVGPathElement](https://developer.mozilla.org/en/docs/Web/API/SVGPathElement) to Kotlin\n */\npublic
external abstract class SVGPathElement : SVGGeometryElement {\n companion object {\n val
ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[SVGRectElement](https://developer.mozilla.org/en/docs/Web/API/SVGRectElement) to Kotlin\n */\npublic
external abstract class SVGRectElement : SVGGeometryElement {\n open val x: SVGAnimatedLength\n open
val y: SVGAnimatedLength\n open val width: SVGAnimatedLength\n open val height: SVGAnimatedLength\n
open val rx: SVGAnimatedLength\n open val ry: SVGAnimatedLength\n\n companion object {\n val
ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val

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DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGCircleElement](https://developer.mozilla.org/en/docs/Web/API/SVGCircleElement) to Kotlin \n * \n public
external abstract class SVGCircleElement : SVGGeometryElement { \n    open val cx: SVGAnimatedLength \n
open val cy: SVGAnimatedLength \n    open val r: SVGAnimatedLength \n \n    companion object { \n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGEllipseElement](https://developer.mozilla.org/en/docs/Web/API/SVGEllipseElement) to Kotlin \n * \n public
external abstract class SVGEllipseElement : SVGGeometryElement { \n    open val cx: SVGAnimatedLength \n
open val cy: SVGAnimatedLength \n    open val rx: SVGAnimatedLength \n    open val ry: SVGAnimatedLength \n \n
companion object { \n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val
TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGLineElement](https://developer.mozilla.org/en/docs/Web/API/SVGLineElement) to Kotlin \n * \n public
external abstract class SVGLineElement : SVGGeometryElement { \n    open val x1: SVGAnimatedLength \n    open
val y1: SVGAnimatedLength \n    open val x2: SVGAnimatedLength \n    open val y2: SVGAnimatedLength \n \n
companion object { \n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val
TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGMeshElement](https://developer.mozilla.org/en/docs/Web/API/SVGMeshElement) to Kotlin \n * \n public
external abstract class SVGMeshElement : SVGGeometryElement, SVGURIReference { \n    companion object { \n
        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n

```

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    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGAnimatedPoints](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedPoints) to Kotlin\n
*/\npublic external interface SVGAnimatedPoints {\n    val points: SVGPointList\n    val animatedPoints:
SVGPointList\n}\n\npublic external abstract class SVGPointList {\n    open val length: Int\n    open val
numberOfItems: Int\n    fun clear()\n    fun initialize(newItem: DOMPoint): DOMPoint\n    fun
insertItemBefore(newItem: DOMPoint, index: Int): DOMPoint\n    fun replaceItem(newItem: DOMPoint, index:
Int): DOMPoint\n    fun removeItem(index: Int): DOMPoint\n    fun appendItem(newItem: DOMPoint):
DOMPoint\n    fun getItem(index: Int): DOMPoint\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun SVGPointList.get(index: Int):
DOMPoint? = asDynamic()[index]\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline operator fun SVGPointList.set(index: Int,
newItem: DOMPoint) { asDynamic()[index] = newItem }\n\n/**\n * Exposes the JavaScript
[SVGPolylineElement](https://developer.mozilla.org/en/docs/Web/API/SVGPolylineElement) to Kotlin\n
*/\npublic external abstract class SVGPolylineElement : SVGGeometryElement, SVGAnimatedPoints {\n
companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val
TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE:
Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val
COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n
    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGPolygonElement](https://developer.mozilla.org/en/docs/Web/API/SVGPolygonElement) to Kotlin\n
*/\npublic external abstract class SVGPolygonElement : SVGGeometryElement, SVGAnimatedPoints {\n
companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val
TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE:
Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val
COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n
    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGTextContentElement](https://developer.mozilla.org/en/docs/Web/API/SVGTextContentElement) to Kotlin\n
*/\npublic external abstract class SVGTextContentElement : SVGGraphicsElement {\n    open val textLength:
SVGAnimatedLength\n    open val lengthAdjust: SVGAnimatedEnumeration\n    fun getNumberOfChars(): Int\n
fun getComputedTextLength(): Float\n    fun getSubStringLength(charnum: Int, nchars: Int): Float\n    fun
getStartPositionOfChar(charnum: Int): DOMPoint\n    fun getEndPositionOfChar(charnum: Int): DOMPoint\n    fun
getExtentOfChar(charnum: Int): DOMRect\n    fun getRotationOfChar(charnum: Int): Float\n    fun
getCharNumAtPosition(point: DOMPoint): Int\n    fun selectSubString(charnum: Int, nchars: Int)\n\n    companion
object {\n    val LENGTHADJUST_UNKNOWN: Short\n    val LENGTHADJUST_SPACING: Short\n
    val LENGTHADJUST_SPACINGANDGLYPHS: Short\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val

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DOCUMENT\_NODE: Short\n val DOCUMENT\_TYPE\_NODE: Short\n val  
DOCUMENT\_FRAGMENT\_NODE: Short\n val NOTATION\_NODE: Short\n val  
DOCUMENT\_POSITION\_DISCONNECTED: Short\n val DOCUMENT\_POSITION\_PRECEDING: Short\n  
val DOCUMENT\_POSITION\_FOLLOWING: Short\n val DOCUMENT\_POSITION\_CONTAINS: Short\n  
val DOCUMENT\_POSITION\_CONTAINED\_BY: Short\n val  
DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short\n } \n} \n \n /\*\* \n \* Exposes the JavaScript  
[SVGTextPositioningElement](https://developer.mozilla.org/en/docs/Web/API/SVGTextPositioningElement) to Kotlin \n \* \n public external abstract class SVGTextPositioningElement : SVGTextContentElement { \n open val x:  
SVGAnimatedLengthList \n open val y: SVGAnimatedLengthList \n open val dx: SVGAnimatedLengthList \n  
open val dy: SVGAnimatedLengthList \n open val rotate: SVGAnimatedNumberList \n \n companion object { \n  
val LENGTHADJUST\_UNKNOWN: Short \n val LENGTHADJUST\_SPACING: Short \n val  
LENGTHADJUST\_SPACINGANDGLYPHS: Short \n val ELEMENT\_NODE: Short \n val  
ATTRIBUTE\_NODE: Short \n val TEXT\_NODE: Short \n val CDATA\_SECTION\_NODE: Short \n val  
ENTITY\_REFERENCE\_NODE: Short \n val ENTITY\_NODE: Short \n val  
PROCESSING\_INSTRUCTION\_NODE: Short \n val COMMENT\_NODE: Short \n val  
DOCUMENT\_NODE: Short \n val DOCUMENT\_TYPE\_NODE: Short \n val  
DOCUMENT\_FRAGMENT\_NODE: Short \n val NOTATION\_NODE: Short \n val  
DOCUMENT\_POSITION\_DISCONNECTED: Short \n val DOCUMENT\_POSITION\_PRECEDING: Short \n  
val DOCUMENT\_POSITION\_FOLLOWING: Short \n val DOCUMENT\_POSITION\_CONTAINS: Short \n  
val DOCUMENT\_POSITION\_CONTAINED\_BY: Short \n val  
DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short \n } \n} \n \n /\*\* \n \* Exposes the JavaScript  
[SVGTextElement](https://developer.mozilla.org/en/docs/Web/API/SVGTextElement) to Kotlin \n \* \n public  
external abstract class SVGTextElement : SVGTextPositioningElement { \n companion object { \n val  
LENGTHADJUST\_UNKNOWN: Short \n val LENGTHADJUST\_SPACING: Short \n val  
LENGTHADJUST\_SPACINGANDGLYPHS: Short \n val ELEMENT\_NODE: Short \n val  
ATTRIBUTE\_NODE: Short \n val TEXT\_NODE: Short \n val CDATA\_SECTION\_NODE: Short \n val  
ENTITY\_REFERENCE\_NODE: Short \n val ENTITY\_NODE: Short \n val  
PROCESSING\_INSTRUCTION\_NODE: Short \n val COMMENT\_NODE: Short \n val  
DOCUMENT\_NODE: Short \n val DOCUMENT\_TYPE\_NODE: Short \n val  
DOCUMENT\_FRAGMENT\_NODE: Short \n val NOTATION\_NODE: Short \n val  
DOCUMENT\_POSITION\_DISCONNECTED: Short \n val DOCUMENT\_POSITION\_PRECEDING: Short \n  
val DOCUMENT\_POSITION\_FOLLOWING: Short \n val DOCUMENT\_POSITION\_CONTAINS: Short \n  
val DOCUMENT\_POSITION\_CONTAINED\_BY: Short \n val  
DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short \n } \n} \n \n /\*\* \n \* Exposes the JavaScript  
[SVGTSpanElement](https://developer.mozilla.org/en/docs/Web/API/SVGTSpanElement) to Kotlin \n \* \n public  
external abstract class SVGTSpanElement : SVGTextPositioningElement { \n companion object { \n val  
LENGTHADJUST\_UNKNOWN: Short \n val LENGTHADJUST\_SPACING: Short \n val  
LENGTHADJUST\_SPACINGANDGLYPHS: Short \n val ELEMENT\_NODE: Short \n val  
ATTRIBUTE\_NODE: Short \n val TEXT\_NODE: Short \n val CDATA\_SECTION\_NODE: Short \n val  
ENTITY\_REFERENCE\_NODE: Short \n val ENTITY\_NODE: Short \n val  
PROCESSING\_INSTRUCTION\_NODE: Short \n val COMMENT\_NODE: Short \n val  
DOCUMENT\_NODE: Short \n val DOCUMENT\_TYPE\_NODE: Short \n val  
DOCUMENT\_FRAGMENT\_NODE: Short \n val NOTATION\_NODE: Short \n val  
DOCUMENT\_POSITION\_DISCONNECTED: Short \n val DOCUMENT\_POSITION\_PRECEDING: Short \n  
val DOCUMENT\_POSITION\_FOLLOWING: Short \n val DOCUMENT\_POSITION\_CONTAINS: Short \n  
val DOCUMENT\_POSITION\_CONTAINED\_BY: Short \n val  
DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC: Short \n } \n} \n \n /\*\* \n \* Exposes the JavaScript  
[SVGTextPathElement](https://developer.mozilla.org/en/docs/Web/API/SVGTextPathElement) to Kotlin \n

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*\npublic external abstract class SVGTextPathElement : SVGTextContentElement, SVGURIReference {\n  open
val startOffset: SVGAnimatedLength\n  open val method: SVGAnimatedEnumeration\n  open val spacing:
SVGAnimatedEnumeration\n\n  companion object {\n    val TEXTPATH_METHODTYPE_UNKNOWN:
Short\n    val TEXTPATH_METHODTYPE_ALIGN: Short\n    val
TEXTPATH_METHODTYPE_STRETCH: Short\n    val TEXTPATH_SPACINGTYPE_UNKNOWN: Short\n
val TEXTPATH_SPACINGTYPE_AUTO: Short\n    val TEXTPATH_SPACINGTYPE_EXACT: Short\n
val LENGTHADJUST_UNKNOWN: Short\n    val LENGTHADJUST_SPACING: Short\n    val
LENGTHADJUST_SPACINGANDGLYPHS: Short\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n\n  /**\n   * Exposes the JavaScript
[SVGImageElement](https://developer.mozilla.org/en/docs/Web/API/SVGImageElement) to Kotlin\n
*/\npublic external abstract class SVGImageElement : SVGGraphicsElement, SVGURIReference,
HTMLOrSVGImageElement {\n  open val x: SVGAnimatedLength\n  open val y: SVGAnimatedLength\n  open
val width: SVGAnimatedLength\n  open val height: SVGAnimatedLength\n  open val preserveAspectRatio:
SVGAnimatedPreserveAspectRatio\n  open var crossOrigin: String?\n\n  companion object {\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n\n  /**\n   * Exposes the JavaScript
[SVGForeignObjectElement](https://developer.mozilla.org/en/docs/Web/API/SVGForeignObjectElement) to
Kotlin\n
*/\npublic external abstract class SVGForeignObjectElement : SVGGraphicsElement {\n  open val x:
SVGAnimatedLength\n  open val y: SVGAnimatedLength\n  open val width: SVGAnimatedLength\n  open val
height: SVGAnimatedLength\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n\n  /**\n   * Exposes the JavaScript
[SVGMarkerElement](https://developer.mozilla.org/en/docs/Web/API/SVGMarkerElement) to Kotlin\n
*/\npublic external abstract class SVGMarkerElement : SVGElement, SVGFitToViewBox {\n  open val refX: SVGAnimatedLength\n  open val
refY: SVGAnimatedLength\n  open val markerUnits: SVGAnimatedEnumeration\n  open val markerWidth:
SVGAnimatedLength\n  open val markerHeight: SVGAnimatedLength\n  open val orientType:
SVGAnimatedEnumeration\n  open val orientAngle: SVGAnimatedAngle\n  open var orient: String\n  fun

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setOrientToAuto()\n fun setOrientToAngle(angle: SVGAngle)\n\n companion object {\n    val
SVG_MARKERUNITS_UNKNOWN: Short\n    val SVG_MARKERUNITS_USERSPACEONUSE: Short\n
val SVG_MARKERUNITS_STROKEWIDTH: Short\n    val SVG_MARKER_ORIENT_UNKNOWN: Short\n
    val SVG_MARKER_ORIENT_AUTO: Short\n    val SVG_MARKER_ORIENT_ANGLE: Short\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n } \n\n/**\n * Exposes the JavaScript
[SVGSolidcolorElement](https://developer.mozilla.org/en/docs/Web/API/SVGSolidcolorElement) to Kotlin\n
*\npublic external abstract class SVGSolidcolorElement : SVGElement {\n    companion object {\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n } \n\n/**\n * Exposes the JavaScript
[SVGGradientElement](https://developer.mozilla.org/en/docs/Web/API/SVGGradientElement) to Kotlin\n
*\npublic external abstract class SVGGradientElement : SVGElement, SVGURIReference, SVGUnitTypes {\n
open val gradientUnits: SVGAnimatedEnumeration\n    open val gradientTransform: SVGAnimatedTransformList\n
open val spreadMethod: SVGAnimatedEnumeration\n\n    companion object {\n    val
SVG_SPREADMETHOD_UNKNOWN: Short\n    val SVG_SPREADMETHOD_PAD: Short\n    val
SVG_SPREADMETHOD_REFLECT: Short\n    val SVG_SPREADMETHOD_REPEAT: Short\n    val
SVG_UNIT_TYPE_UNKNOWN: Short\n    val SVG_UNIT_TYPE_USERSPACEONUSE: Short\n    val
SVG_UNIT_TYPE_OBJECTBOUNDINGBOX: Short\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n } \n\n/**\n * Exposes the JavaScript
[SVGLinearGradientElement](https://developer.mozilla.org/en/docs/Web/API/SVGLinearGradientElement) to
Kotlin\n
*\npublic external abstract class SVGLinearGradientElement : SVGGradientElement {\n    open val x1:
SVGAnimatedLength\n    open val y1: SVGAnimatedLength\n    open val x2: SVGAnimatedLength\n    open val
y2: SVGAnimatedLength\n\n    companion object {\n    val SVG_SPREADMETHOD_UNKNOWN: Short\n
val SVG_SPREADMETHOD_PAD: Short\n    val SVG_SPREADMETHOD_REFLECT: Short\n    val
SVG_SPREADMETHOD_REPEAT: Short\n    val SVG_UNIT_TYPE_UNKNOWN: Short\n    val
SVG_UNIT_TYPE_USERSPACEONUSE: Short\n    val SVG_UNIT_TYPE_OBJECTBOUNDINGBOX:

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    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\npublic external abstract class
SVGMeshpatchElement : SVGElement {\n    companion object {\n        val ELEMENT_NODE: Short\n        val
ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGStopElement](https://developer.mozilla.org/en/docs/Web/API/SVGStopElement) to Kotlin\n */\n\npublic
external abstract class SVGStopElement : SVGElement {\n    open val offset: SVGAnimatedNumber\n\n
companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val
TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGPatternElement](https://developer.mozilla.org/en/docs/Web/API/SVGPatternElement) to Kotlin\n */\n\npublic
external abstract class SVGPatternElement : SVGElement, SVGFitToViewBox, SVGURIReference,
SVGUnitTypes {\n    open val patternUnits: SVGAnimatedEnumeration\n    open val patternContentUnits:
SVGAnimatedEnumeration\n    open val patternTransform: SVGAnimatedTransformList\n    open val x:
SVGAnimatedLength\n    open val y: SVGAnimatedLength\n    open val width: SVGAnimatedLength\n    open val
height: SVGAnimatedLength\n\n    companion object {\n        val SVG_UNIT_TYPE_UNKNOWN: Short\n
        val SVG_UNIT_TYPE_USERSPACEONUSE: Short\n        val SVG_UNIT_TYPE_OBJECTBOUNDINGBOX:
Short\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n
        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val
ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE:
Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\npublic external abstract class
SVGHatchElement : SVGElement {\n    companion object {\n        val ELEMENT_NODE: Short\n        val
ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val

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DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\npublic external abstract class
SVGHatchpathElement : SVGElement {\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[SVGCursorElement](https://developer.mozilla.org/en/docs/Web/API/SVGCursorElement) to Kotlin\n */\npublic
external abstract class SVGCursorElement : SVGElement, SVGURIReference {\n  open val x:
SVGAnimatedLength\n  open val y: SVGAnimatedLength\n\n  companion object {\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[SVGScriptElement](https://developer.mozilla.org/en/docs/Web/API/SVGScriptElement) to Kotlin\n */\npublic
external abstract class SVGScriptElement : SVGElement, SVGURIReference, HTMLOrSVGScriptElement {\n
  open var type: String\n  open var crossOrigin: String?\n\n  companion object {\n    val ELEMENT_NODE:
Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE:
Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[SVGAElement](https://developer.mozilla.org/en/docs/Web/API/SVGAElement) to Kotlin\n */\npublic external
abstract class SVGAElement : SVGGraphicsElement, SVGURIReference {\n  open val target:
SVGAnimatedString\n  open val download: SVGAnimatedString\n  open val rel: SVGAnimatedString\n  open
val relList: SVGAnimatedString\n  open val hreflang: SVGAnimatedString\n  open val type:
SVGAnimatedString\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val

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[FileReaderSync](https://developer.mozilla.org/en/docs/Web/API/FileReaderSync) to Kotlin\n *\npublic external
open class FileReaderSync {\n fun readAsArrayBuffer(blob: Blob): ArrayBuffer\n fun readAsBinaryString(blob:
Blob): String\n fun readAsText(blob: Blob, label: String = definedExternally): String\n fun
readAsDataURL(blob: Blob): String\n},"\n/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT!\n// See
github.com/kotlin/dukat for details\n\npackage org.w3c.notifications\n\nimport kotlin.js.*\nimport
org.khronos.webgl.*\nimport org.w3c.dom.events.*\nimport org.w3c.workers.*\n\n/**\n * Exposes the JavaScript
[Notification](https://developer.mozilla.org/en/docs/Web/API/Notification) to Kotlin\n *\npublic external open
class Notification(title: String, options: NotificationOptions = definedExternally) : EventTarget {\n var onclick:
((MouseEvent) -> dynamic)?\n var onerror: ((Event) -> dynamic)?\n open val title: String\n open val dir:
NotificationDirection\n open val lang: String\n open val body: String\n open val tag: String\n open val
image: String\n open val icon: String\n open val badge: String\n open val sound: String\n open val vibrate:
Array<out Int>\n open val timestamp: Number\n open val renotify: Boolean\n open val silent: Boolean\n
open val noscreen: Boolean\n open val requireInteraction: Boolean\n open val sticky: Boolean\n open val data:
Any?\n open val actions: Array<out NotificationAction>\n fun close()\n\n companion object {\n val
permission: NotificationPermission\n val maxActions: Int\n fun requestPermission(deprecatedCallback:
(NotificationPermission) -> Unit = definedExternally): Promise<NotificationPermission>\n }\n}\n\npublic
external interface NotificationOptions {\n var dir: NotificationDirection? /* = NotificationDirection.AUTO */\n
get() = definedExternally\n set(value) = definedExternally\n var lang: String? /* = "" */\n get() =
definedExternally\n set(value) = definedExternally\n var body: String? /* = "" */\n get() =
definedExternally\n set(value) = definedExternally\n var tag: String? /* = "" */\n get() =
definedExternally\n set(value) = definedExternally\n var image: String?\n get() = definedExternally\n
set(value) = definedExternally\n var icon: String?\n get() = definedExternally\n set(value) =
definedExternally\n var badge: String?\n get() = definedExternally\n set(value) = definedExternally\n
var sound: String?\n get() = definedExternally\n set(value) = definedExternally\n var vibrate: dynamic\n
get() = definedExternally\n set(value) = definedExternally\n var timestamp: Number?\n get() =
definedExternally\n set(value) = definedExternally\n var renotify: Boolean? /* = false */\n get() =
definedExternally\n set(value) = definedExternally\n var silent: Boolean? /* = false */\n get() =
definedExternally\n set(value) = definedExternally\n var noscreen: Boolean? /* = false */\n get() =
definedExternally\n set(value) = definedExternally\n var requireInteraction: Boolean? /* = false */\n get() =
definedExternally\n set(value) = definedExternally\n var sticky: Boolean? /* = false */\n get() =
definedExternally\n set(value) = definedExternally\n var data: Any? /* = null */\n get() =
definedExternally\n set(value) = definedExternally\n var actions: Array<NotificationAction>? /* = arrayOf()
*/\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress(\n"INVISIBLE_REFERENCE",
\n"INVISIBLE_MEMBER")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun NotificationOptions(dir:
NotificationDirection? = NotificationDirection.AUTO, lang: String? = "", body: String? = "", tag: String? = "",
image: String? = undefined, icon: String? = undefined, badge: String? = undefined, sound: String? = undefined,
vibrate: dynamic = undefined, timestamp: Number? = undefined, renotify: Boolean? = false, silent: Boolean? =
false, noscreen: Boolean? = false, requireInteraction: Boolean? = false, sticky: Boolean? = false, data: Any? = null,
actions: Array<NotificationAction>? = arrayOf()): NotificationOptions {\n val o = js(\n"({})")\n o["dir"] = dir\n
o["lang"] = lang\n o["body"] = body\n o["tag"] = tag\n o["image"] = image\n o["icon"] = icon\n
o["badge"] = badge\n o["sound"] = sound\n o["vibrate"] = vibrate\n o["timestamp"] = timestamp\n
o["renotify"] = renotify\n o["silent"] = silent\n o["noscreen"] = noscreen\n o["requireInteraction"] =
requireInteraction\n o["sticky"] = sticky\n o["data"] = data\n o["actions"] = actions\n return
o\n}\n\n\npublic external interface NotificationAction {\n var action: String?\n var title: String?\n var icon:
String?\n get() = definedExternally\n set(value) =

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definedExternally\n}\n\n@Suppress(\\"INVISIBLE_REFERENCE\",
\\"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun NotificationAction(action: String?,
title: String?, icon: String? = undefined): NotificationAction {\n    val o = js(\\"({})")\n    o[\\"action\\"] = action\n    o[\\"title\\"] = title\n    o[\\"icon\\"] = icon\n    return o\n}\n\npublic external interface GetNotificationOptions {\n    var
tag: String? /* = \\"\" * \n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@Suppress(\\"INVISIBLE_REFERENCE\",
\\"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun GetNotificationOptions(tag: String? =
\\""): GetNotificationOptions {\n    val o = js(\\"({})")\n    o[\\"tag\\"] = tag\n    return o\n}\n\n/**\n * Exposes the
JavaScript [NotificationEvent](https://developer.mozilla.org/en/docs/Web/API/NotificationEvent) to Kotlin\n
*/\n\npublic external open class NotificationEvent(type: String, eventInitDict: NotificationEventInit) :
ExtendableEvent {\n    open val notification: Notification\n    open val action: String\n\n    companion object {\n
val NONE: Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val
BUBBLING_PHASE: Short\n    }\n}\n\npublic external interface NotificationEventInit : ExtendableEventInit {\n
var notification: Notification?\n    var action: String? /* = \\"\" * \n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@Suppress(\\"INVISIBLE_REFERENCE\",
\\"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun NotificationEventInit(notification:
Notification?, action: String? = \\"\", bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): NotificationEventInit {\n    val o = js(\\"({})")\n    o[\\"notification\\"] = notification\n    o[\\"action\\"] =
action\n    o[\\"bubbles\\"] = bubbles\n    o[\\"cancelable\\"] = cancelable\n    o[\\"composed\\"] = composed\n    return
o\n}\n\n/* please, don't implement this interface!\n
*/\n\n@JsName(\\"null\")\n@Suppress(\\"NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external
interface NotificationPermission {\n    companion object\n}\n\npublic inline val
NotificationPermission.Companion.DEFAULT: NotificationPermission get() =
\\"default\".asDynamic().unsafeCast<NotificationPermission>()\n\npublic inline val
NotificationPermission.Companion.DENIED: NotificationPermission get() =
\\"denied\".asDynamic().unsafeCast<NotificationPermission>()\n\npublic inline val
NotificationPermission.Companion.GRANTED: NotificationPermission get() =
\\"granted\".asDynamic().unsafeCast<NotificationPermission>()\n\n/* please, don't implement this interface!\n
*/\n\n@JsName(\\"null\")\n@Suppress(\\"NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external
interface NotificationDirection {\n    companion object\n}\n\npublic inline val
NotificationDirection.Companion.AUTO: NotificationDirection get() =
\\"auto\".asDynamic().unsafeCast<NotificationDirection>()\n\npublic inline val
NotificationDirection.Companion.LTR: NotificationDirection get() =
\\"ltr\".asDynamic().unsafeCast<NotificationDirection>()\n\npublic inline val
NotificationDirection.Companion.RTL: NotificationDirection get() =
\\"rtl\".asDynamic().unsafeCast<NotificationDirection>()"/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT!\n\n// See
github.com/kotlin/dukat for details\n\npackage org.w3c.workers\n\nimport kotlin.js.*\nimport
org.khronos.webgl.*\nimport org.w3c.dom.*\nimport org.w3c.dom.events.*\nimport org.w3c.fetch.*\nimport
org.w3c.notifications.*\n\n/**\n * Exposes the JavaScript
[ServiceWorker](https://developer.mozilla.org/en/docs/Web/API/ServiceWorker) to Kotlin\n
*/\n\npublic external
abstract class ServiceWorker : EventTarget, AbstractWorker, UnionMessagePortOrServiceWorker,
UnionClientOrMessagePortOrServiceWorker {\n    open val scriptURL: String\n    open val state:
ServiceWorkerState\n    open var onstatechange: ((Event) -> dynamic)?\n    fun postMessage(message: Any?,
transfer: Array<dynamic> = definedExternally)\n}\n\n/**\n * Exposes the JavaScript
[ServiceWorkerRegistration](https://developer.mozilla.org/en/docs/Web/API/ServiceWorkerRegistration) to
Kotlin\n
*/\n\npublic external abstract class ServiceWorkerRegistration : EventTarget {\n    open val installing:

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ServiceWorker?\n open val waiting: ServiceWorker?\n open val active: ServiceWorker?\n open val scope:
String\n open var onupdatefound: ((Event) -> dynamic)?\n open val APISpace: dynamic\n fun update():
Promise<Unit>\n fun unregister(): Promise<Boolean>\n fun showNotification(title: String, options:
NotificationOptions = definedExternally): Promise<Unit>\n fun getNotifications(filter: GetNotificationOptions =
definedExternally): Promise<Array<Notification>>\n fun methodName(): Promise<dynamic>\n}\n\n/**\n *
Exposes the JavaScript
[ServiceWorkerContainer](https://developer.mozilla.org/en/docs/Web/API/ServiceWorkerContainer) to Kotlin\n
*\npublic external abstract class ServiceWorkerContainer : EventTarget {\n open val controller:
ServiceWorker?\n open val ready: Promise<ServiceWorkerRegistration>\n open var oncontrollerchange:
((Event) -> dynamic)?\n open var onmessage: ((MessageEvent) -> dynamic)?\n fun register(scriptURL: String,
options: RegistrationOptions = definedExternally): Promise<ServiceWorkerRegistration>\n fun
getRegistration(clientURL: String = definedExternally): Promise<Any?>\n fun getRegistrations():
Promise<Array<ServiceWorkerRegistration>>\n fun startMessages()\n}\n\npublic external interface
RegistrationOptions {\n var scope: String?\n get() = definedExternally\n set(value) = definedExternally\n
var type: WorkerType? /* = WorkerType.CLASSIC */\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun RegistrationOptions(scope: String? =
undefined, type: WorkerType? = WorkerType.CLASSIC): RegistrationOptions {\n val o = js(\"({})\")\n
o[\"scope\"] = scope\n o[\"type\"] = type\n return o\n}\n\n/**\n * Exposes the JavaScript
[ServiceWorkerMessageEvent](https://developer.mozilla.org/en/docs/Web/API/ServiceWorkerMessageEvent) to
Kotlin\n
*\npublic external open class ServiceWorkerMessageEvent(type: String, eventInitDict:
ServiceWorkerMessageEventInit = definedExternally) : Event {\n open val data: Any?\n open val origin:
String\n open val lastEventId: String\n open val source: UnionMessagePortOrServiceWorker?\n open val
ports: Array<out MessagePort>?\n\n companion object {\n val NONE: Short\n val
CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val BUBBLING_PHASE: Short\n
}\n}\n\npublic external interface ServiceWorkerMessageEventInit : EventInit {\n var data: Any?\n get() =
definedExternally\n set(value) = definedExternally\n var origin: String?\n get() = definedExternally\n
set(value) = definedExternally\n var lastEventId: String?\n get() = definedExternally\n set(value) =
definedExternally\n var source: UnionMessagePortOrServiceWorker?\n get() = definedExternally\n
set(value) = definedExternally\n var ports: Array<MessagePort>?\n get() = definedExternally\n set(value)
= definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun ServiceWorkerMessageEventInit(data:
Any? = undefined, origin: String? = undefined, lastEventId: String? = undefined, source:
UnionMessagePortOrServiceWorker? = undefined, ports: Array<MessagePort>? = undefined, bubbles: Boolean? =
false, cancelable: Boolean? = false, composed: Boolean? = false): ServiceWorkerMessageEventInit {\n val o =
js(\"({})\")\n o[\"data\"] = data\n o[\"origin\"] = origin\n o[\"lastEventId\"] = lastEventId\n o[\"source\"] =
source\n o[\"ports\"] = ports\n o[\"bubbles\"] = bubbles\n o[\"cancelable\"] = cancelable\n o[\"composed\"] =
composed\n return o\n}\n\n/**\n * Exposes the JavaScript
[ServiceWorkerGlobalScope](https://developer.mozilla.org/en/docs/Web/API/ServiceWorkerGlobalScope) to
Kotlin\n
*\npublic external abstract class ServiceWorkerGlobalScope : WorkerGlobalScope {\n open val clients:
Clients\n open val registration: ServiceWorkerRegistration\n open var oninstall: ((Event) -> dynamic)?\n open
var onactivate: ((Event) -> dynamic)?\n open var onfetch: ((FetchEvent) -> dynamic)?\n open var
onforeignfetch: ((Event) -> dynamic)?\n open var onmessage: ((MessageEvent) -> dynamic)?\n open var
onnotificationclick: ((NotificationEvent) -> dynamic)?\n open var onnotificationclose: ((NotificationEvent) ->
dynamic)?\n open var onfunctionalevent: ((Event) -> dynamic)?\n fun skipWaiting():
Promise<Unit>\n}\n\n/**\n * Exposes the JavaScript
[Client](https://developer.mozilla.org/en/docs/Web/API/Client) to Kotlin\n
*\npublic external abstract class Client :
UnionClientOrMessagePortOrServiceWorker {\n open val url: String\n open val frameType: FrameType\n

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open val id: String\n fun postMessage(message: Any?, transfer: Array<dynamic> = definedExternally)\n}\n\n/**\n
 * Exposes the JavaScript [WindowClient](https://developer.mozilla.org/en/docs/Web/API/WindowClient) to
Kotlin\n */\n\npublic external abstract class WindowClient : Client {\n open val visibilityState: dynamic\n open
val focused: Boolean\n fun focus(): Promise<WindowClient>\n fun navigate(url: String):
Promise<WindowClient>\n}\n\n/**\n
 * Exposes the JavaScript
[Clients](https://developer.mozilla.org/en/docs/Web/API/Clients) to Kotlin\n */\n\npublic external abstract class
Clients {\n fun get(id: String): Promise<Any?>\n fun matchAll(options: ClientQueryOptions =
definedExternally): Promise<Array<Client>>\n fun openWindow(url: String): Promise<WindowClient?>\n fun
claim(): Promise<Unit>\n}\n\npublic external interface ClientQueryOptions {\n var includeUncontrolled:
Boolean? /* = false */\n get() = definedExternally\n set(value) = definedExternally\n var type:
ClientType? /* = ClientType.WINDOW */\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun
ClientQueryOptions(includeUncontrolled: Boolean? = false, type: ClientType? = ClientType.WINDOW):
ClientQueryOptions {\n val o = js(\"({})\")\n o[\"includeUncontrolled\"] = includeUncontrolled\n o[\"type\"] =
type\n return o\n}\n\n/**\n
 * Exposes the JavaScript
[ExtendableEvent](https://developer.mozilla.org/en/docs/Web/API/ExtendableEvent) to Kotlin\n */\n\npublic external
open class ExtendableEvent(type: String, eventInitDict: ExtendableEventInit = definedExternally) : Event {\n fun
waitUntil(f: Promise<Any?>)\n\n companion object {\n val NONE: Short\n val CAPTURING_PHASE:
Short\n val AT_TARGET: Short\n val BUBBLING_PHASE: Short\n }\n}\n\npublic external interface
ExtendableEventInit : EventInit\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun ExtendableEventInit(bubbles:
Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): ExtendableEventInit {\n val o =
js(\"({})\")\n o[\"bubbles\"] = bubbles\n o[\"cancelable\"] = cancelable\n o[\"composed\"] = composed\n
return o\n}\n\n/**\n
 * Exposes the JavaScript
[InstallEvent](https://developer.mozilla.org/en/docs/Web/API/InstallEvent) to Kotlin\n */\n\npublic external open
class InstallEvent(type: String, eventInitDict: ExtendableEventInit = definedExternally) : ExtendableEvent {\n fun
registerForeignFetch(options: ForeignFetchOptions)\n\n companion object {\n val NONE: Short\n val
CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val BUBBLING_PHASE: Short\n
}\n}\n\npublic external interface ForeignFetchOptions {\n var scopes: Array<String>?\n var origins:
Array<String>?\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun ForeignFetchOptions(scopes:
Array<String>?, origins: Array<String>?): ForeignFetchOptions {\n val o = js(\"({})\")\n o[\"scopes\"] =
scopes\n o[\"origins\"] = origins\n return o\n}\n\n/**\n
 * Exposes the JavaScript
[FetchEvent](https://developer.mozilla.org/en/docs/Web/API/FetchEvent) to Kotlin\n */\n\npublic external open class
FetchEvent(type: String, eventInitDict: FetchEventInit) : ExtendableEvent {\n open val request: Request\n open
val clientId: String?\n open val isReload: Boolean\n fun respondWith(r: Promise<Response>)\n\n companion
object {\n val NONE: Short\n val CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val
BUBBLING_PHASE: Short\n }\n}\n\npublic external interface FetchEventInit : ExtendableEventInit {\n var
request: Request?\n var clientId: String? /* = null */\n get() = definedExternally\n set(value) =
definedExternally\n var isReload: Boolean? /* = false */\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun FetchEventInit(request: Request?,
clientId: String? = null, isReload: Boolean? = false, bubbles: Boolean? = false, cancelable: Boolean? = false,
composed: Boolean? = false): FetchEventInit {\n val o = js(\"({})\")\n o[\"request\"] = request\n o[\"clientId\"]
= clientId\n o[\"isReload\"] = isReload\n o[\"bubbles\"] = bubbles\n o[\"cancelable\"] = cancelable\n
o[\"composed\"] = composed\n return o\n}\n\npublic external open class ForeignFetchEvent(type: String,
eventInitDict: ForeignFetchEventInit) : ExtendableEvent {\n open val request: Request\n open val origin:

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String\n fun respondWith(r: Promise<ForeignFetchResponse>)\n companion object {\n val NONE:
Short\n val CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val BUBBLING_PHASE:
Short\n }\n}\n\npublic external interface ForeignFetchEventInit : ExtendableEventInit {\n var request:
Request?\n var origin: String? /* = \"null\" */\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun ForeignFetchEventInit(request:
Request?, origin: String? = \"null\", bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): ForeignFetchEventInit {\n val o = js(\"({})\")\n o[\"request\"] = request\n o[\"origin\"] = origin\n
o[\"bubbles\"] = bubbles\n o[\"cancelable\"] = cancelable\n o[\"composed\"] = composed\n return
o\n}\n\npublic external interface ForeignFetchResponse {\n var response: Response?\n var origin: String?\n
get() = definedExternally\n set(value) = definedExternally\n var headers: Array<String>?\n get() =
definedExternally\n set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun ForeignFetchResponse(response:
Response?, origin: String? = undefined, headers: Array<String>? = undefined): ForeignFetchResponse {\n val o =
js(\"({})\")\n o[\"response\"] = response\n o[\"origin\"] = origin\n o[\"headers\"] = headers\n return
o\n}\n\n/**\n * Exposes the JavaScript
[ExtendableMessageEvent](https://developer.mozilla.org/en/docs/Web/API/ExtendableMessageEvent) to Kotlin\n
*/\n\npublic external open class ExtendableMessageEvent(type: String, eventInitDict: ExtendableMessageEventInit =
definedExternally) : ExtendableEvent {\n open val data: Any?\n open val origin: String\n open val lastEventId:
String\n open val source: UnionClientOrMessagePortOrServiceWorker?\n open val ports: Array<out
MessagePort>?\n\n companion object {\n val NONE: Short\n val CAPTURING_PHASE: Short\n val
AT_TARGET: Short\n val BUBBLING_PHASE: Short\n }\n}\n\npublic external interface
ExtendableMessageEventInit : ExtendableEventInit {\n var data: Any?\n get() = definedExternally\n
set(value) = definedExternally\n var origin: String?\n get() = definedExternally\n set(value) =
definedExternally\n var lastEventId: String?\n get() = definedExternally\n set(value) =
definedExternally\n var source: UnionClientOrMessagePortOrServiceWorker?\n get() = definedExternally\n
set(value) = definedExternally\n var ports: Array<MessagePort>?\n get() = definedExternally\n
set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun ExtendableMessageEventInit(data:
Any? = undefined, origin: String? = undefined, lastEventId: String? = undefined, source:
UnionClientOrMessagePortOrServiceWorker? = undefined, ports: Array<MessagePort>? = undefined, bubbles:
Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): ExtendableMessageEventInit {\n
val o = js(\"({})\")\n o[\"data\"] = data\n o[\"origin\"] = origin\n o[\"lastEventId\"] = lastEventId\n
o[\"source\"] = source\n o[\"ports\"] = ports\n o[\"bubbles\"] = bubbles\n o[\"cancelable\"] = cancelable\n
o[\"composed\"] = composed\n return o\n}\n\n/**\n * Exposes the JavaScript
[Cache](https://developer.mozilla.org/en/docs/Web/API/Cache) to Kotlin\n
*/\n\npublic external abstract class Cache
{\n fun match(request: dynamic, options: CacheQueryOptions = definedExternally): Promise<Any?>\n fun
matchAll(request: dynamic = definedExternally, options: CacheQueryOptions = definedExternally):
Promise<Array<Response>>\n fun add(request: dynamic): Promise<Unit>\n fun addAll(requests:
Array<dynamic>): Promise<Unit>\n fun put(request: dynamic, response: Response): Promise<Unit>\n fun
delete(request: dynamic, options: CacheQueryOptions = definedExternally): Promise<Boolean>\n fun
keys(request: dynamic = definedExternally, options: CacheQueryOptions = definedExternally):
Promise<Array<Request>>\n}\n\npublic external interface CacheQueryOptions {\n var ignoreSearch: Boolean? /*
= false */\n get() = definedExternally\n set(value) = definedExternally\n var ignoreMethod: Boolean? /* =
false */\n get() = definedExternally\n set(value) = definedExternally\n var ignoreVary: Boolean? /* =
false */\n get() = definedExternally\n set(value) = definedExternally\n var cacheName: String?\n
get() = definedExternally\n set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE_REFERENCE\",
\"INVISIBLE_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun CacheQueryOptions(ignoreSearch:

```

```

Boolean? = false, ignoreMethod: Boolean? = false, ignoreVary: Boolean? = false, cacheName: String? = undefined):
CacheQueryOptions {\n val o = js("{}")\n o["ignoreSearch"] = ignoreSearch\n o["ignoreMethod"] =
ignoreMethod\n o["ignoreVary"] = ignoreVary\n o["cacheName"] = cacheName\n return o\n}\n\npublic
external interface CacheBatchOperation {\n var type: String?\n get() = definedExternally\n set(value) =
definedExternally\n var request: Request?\n get() = definedExternally\n set(value) = definedExternally\n
var response: Response?\n get() = definedExternally\n set(value) = definedExternally\n var options:
CacheQueryOptions?\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@Suppress("INVISIBLE_REFERENCE",
"INVISIBLE_MEMBER")\n@kotlin.internal.InlineOnly\npublic inline fun CacheBatchOperation(type: String? =
undefined, request: Request? = undefined, response: Response? = undefined, options: CacheQueryOptions? =
undefined): CacheBatchOperation {\n val o = js("{}")\n o["type"] = type\n o["request"] = request\n
o["response"] = response\n o["options"] = options\n return o\n}\n\n/**\n * Exposes the JavaScript
[CacheStorage](https://developer.mozilla.org/en/docs/Web/API/CacheStorage) to Kotlin\n *\npublic external
abstract class CacheStorage {\n fun match(request: dynamic, options: CacheQueryOptions = definedExternally):
Promise<Any?>\n fun has(cacheName: String): Promise<Boolean>\n fun open(cacheName: String):
Promise<Cache>\n fun delete(cacheName: String): Promise<Boolean>\n fun keys():
Promise<Array<String>>\n}\n\npublic external open class FunctionalEvent : ExtendableEvent {\n companion
object {\n val NONE: Short\n val CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val
BUBBLING_PHASE: Short\n }\n}\n\npublic external interface UnionMessagePortOrServiceWorker\n\npublic
external interface UnionClientOrMessagePortOrServiceWorker\n\n/* please, don't implement this interface!
*\n\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic external
interface ServiceWorkerState {\n companion object\n}\n\npublic inline val
ServiceWorkerState.Companion.INSTALLING: ServiceWorkerState get() =
"installing".asDynamic().unsafeCast<ServiceWorkerState>()\n\npublic inline val
ServiceWorkerState.Companion.INSTALLED: ServiceWorkerState get() =
"installed".asDynamic().unsafeCast<ServiceWorkerState>()\n\npublic inline val
ServiceWorkerState.Companion.ACTIVATING: ServiceWorkerState get() =
"activating".asDynamic().unsafeCast<ServiceWorkerState>()\n\npublic inline val
ServiceWorkerState.Companion.ACTIVATED: ServiceWorkerState get() =
"activated".asDynamic().unsafeCast<ServiceWorkerState>()\n\npublic inline val
ServiceWorkerState.Companion.REDUNDANT: ServiceWorkerState get() =
"redundant".asDynamic().unsafeCast<ServiceWorkerState>()\n\n/* please, don't implement this interface!
*\n\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic external
interface FrameType {\n companion object\n}\n\npublic inline val FrameType.Companion.AUXILIARY:
FrameType get() = "auxiliary".asDynamic().unsafeCast<FrameType>()\n\npublic inline val
FrameType.Companion.TOP_LEVEL: FrameType get() = "top-
level".asDynamic().unsafeCast<FrameType>()\n\npublic inline val FrameType.Companion.NESTED: FrameType
get() = "nested".asDynamic().unsafeCast<FrameType>()\n\npublic inline val FrameType.Companion.NONE:
FrameType get() = "none".asDynamic().unsafeCast<FrameType>()\n\n/* please, don't implement this interface!
*\n\n@JsName("null")\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic external
interface ClientType {\n companion object\n}\n\npublic inline val ClientType.Companion.WINDOW: ClientType
get() = "window".asDynamic().unsafeCast<ClientType>()\n\npublic inline val ClientType.Companion.WORKER:
ClientType get() = "worker".asDynamic().unsafeCast<ClientType>()\n\npublic inline val
ClientType.Companion.SHAREDWORKER: ClientType get() =
"sharedworker".asDynamic().unsafeCast<ClientType>()\n\npublic inline val ClientType.Companion.ALL:
ClientType get() = "all".asDynamic().unsafeCast<ClientType>()"/*\n * Copyright 2010-2021 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT

```

EDIT!\n// See github.com/kotlin/dukat for details\n\npackage org.w3c.xhr\n\nimport kotlin.js.\*\nimport org.khronos.webgl.\*\nimport org.w3c.dom.\*\nimport org.w3c.dom.events.\*\nimport org.w3c.files.\*\n\n/\*\*\n \* Exposes the JavaScript

[XMLHttpRequestEventTarget](https://developer.mozilla.org/en/docs/Web/API/XMLHttpRequestEventTarget) to Kotlin\n\n \*/\npublic external abstract class XMLHttpRequestEventTarget : EventTarget {\n open var onloadstart: ((ProgressEvent) -> dynamic)?\n open var onprogress: ((ProgressEvent) -> dynamic)?\n open var onabort: ((Event) -> dynamic)?\n open var onerror: ((Event) -> dynamic)?\n open var onload: ((Event) -> dynamic)?\n open var ontimeout: ((Event) -> dynamic)?\n open var onloadend: ((Event) -> dynamic)?\n}\n\npublic external abstract class XMLHttpRequestUpload : XMLHttpRequestEventTarget\n\n/\*\*\n \* Exposes the JavaScript

[XMLHttpRequest](https://developer.mozilla.org/en/docs/Web/API/XMLHttpRequest) to Kotlin\n\n \*/\npublic external open class XMLHttpRequest : XMLHttpRequestEventTarget {\n var onreadystatechange: ((Event) -> dynamic)?\n open val readyState: Short\n var timeout: Int\n var withCredentials: Boolean\n open val upload: XMLHttpRequestUpload\n open val responseURL: String\n open val status: Short\n open val statusText: String\n var responseType: XMLHttpRequestResponseType\n open val response: Any?\n open val responseText: String\n open val responseXML: Document?\n fun open(method: String, url: String)\n fun open(method: String, url: String, async: Boolean, username: String? = definedExternally, password: String? = definedExternally)\n fun setRequestHeader(name: String, value: String)\n fun send(body: dynamic = definedExternally)\n fun abort()\n fun getResponseHeader(name: String): String?\n fun getAllResponseHeaders(): String\n fun overrideMimeType(mime: String)\n\n companion object {\n val UNSENT: Short\n val OPENED: Short\n val HEADERS\_RECEIVED: Short\n val LOADING: Short\n val DONE: Short\n }\n}\n\n/\*\*\n \* Exposes the JavaScript

[FormData](https://developer.mozilla.org/en/docs/Web/API/FormData) to Kotlin\n\n \*/\npublic external open class FormData(form: HTMLFormElement = definedExternally) {\n fun append(name: String, value: String)\n fun append(name: String, value: Blob, filename: String = definedExternally)\n fun delete(name: String)\n fun get(name: String): dynamic\n fun getAll(name: String): Array<dynamic>\n fun has(name: String): Boolean\n fun set(name: String, value: String)\n fun set(name: String, value: Blob, filename: String = definedExternally)\n}\n\n/\*\*\n \* Exposes the JavaScript

[ProgressEvent](https://developer.mozilla.org/en/docs/Web/API/ProgressEvent) to Kotlin\n\n \*/\npublic external open class ProgressEvent(type: String, eventInitDict: ProgressEventInit = definedExternally) : Event {\n open val lengthComputable: Boolean\n open val loaded: Number\n open val total: Number\n\n companion object {\n val NONE: Short\n val CAPTURING\_PHASE: Short\n val AT\_TARGET: Short\n val BUBBLING\_PHASE: Short\n }\n}\n\npublic external interface ProgressEventInit : EventInit {\n var lengthComputable: Boolean? /\* = false \*/\n get() = definedExternally\n set(value) = definedExternally\n var loaded: Number? /\* = 0 \*/\n get() = definedExternally\n set(value) = definedExternally\n var total: Number? /\* = 0 \*/\n get() = definedExternally\n set(value) = definedExternally\n}\n\n@Suppress(\"INVISIBLE\_REFERENCE\", \"INVISIBLE\_MEMBER\")\n@kotlin.internal.InlineOnly\npublic inline fun ProgressEventInit(lengthComputable: Boolean? = false, loaded: Number? = 0, total: Number? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): ProgressEventInit {\n val o = js(\"({})\")\n o[\"lengthComputable\"] = lengthComputable\n o[\"loaded\"] = loaded\n o[\"total\"] = total\n o[\"bubbles\"] = bubbles\n o[\"cancelable\"] = cancelable\n o[\"composed\"] = composed\n return o\n}\n\n/\* please, don't implement this interface! \*/\n@JsName(\"null\")\n@Suppress(\"NESTED\_CLASS\_IN\_EXTERNAL\_INTERFACE\")\npublic external interface XMLHttpRequestResponseType {\n companion object\n}\n\npublic inline val XMLHttpRequestResponseType.Companion.EMPTY: XMLHttpRequestResponseType get() = \"\".asDynamic().unsafeCast<XMLHttpRequestResponseType>()\n\npublic inline val XMLHttpRequestResponseType.Companion.ARRAYBUFFER: XMLHttpRequestResponseType get() = \"arraybuffer\".asDynamic().unsafeCast<XMLHttpRequestResponseType>()\n\npublic inline val XMLHttpRequestResponseType.Companion.BLOB: XMLHttpRequestResponseType get() =

```

`blob`.asDynamic().unsafeCast<XMLHttpRequestResponseType>()\n\npublic inline val
XMLHttpRequestResponseType.Companion.DOCUMENT: XMLHttpRequestResponseType get() =
`document`.asDynamic().unsafeCast<XMLHttpRequestResponseType>()\n\npublic inline val
XMLHttpRequestResponseType.Companion.JSON: XMLHttpRequestResponseType get() =
`json`.asDynamic().unsafeCast<XMLHttpRequestResponseType>()\n\npublic inline val
XMLHttpRequestResponseType.Companion.TEXT: XMLHttpRequestResponseType get() =
`text`.asDynamic().unsafeCast<XMLHttpRequestResponseType>()

```

/\*\n \* Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n \* Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n \*/\n\npackage kotlin\n\nimport kotlin.annotation.AnnotationRetention.BINARY\nimport kotlin.annotation.AnnotationRetention.SOURCE\nimport kotlin.annotation.AnnotationTarget.\*\nimport kotlin.internal.RequireKotlin\nimport kotlin.internal.RequireKotlinVersionKind\nimport kotlin.reflect.KClass\n\n/\*\*\n \* Signals that the annotated annotation class is a marker of an experimental API.\n \* Any declaration annotated with that marker is considered an experimental declaration\n \* and its call sites should accept the experimental aspect of it either by using [UseExperimental],\n \* or by being annotated with that marker themselves, effectively causing further propagation of that experimental aspect.\n \* This class is deprecated in favor of a more general approach provided by [RequiresOptIn]/[OptIn].\n \*/\n\n@Target(ANNOTATION\_CLASS)\n@Retention(BINARY)\n@SinceKotlin("1.2")\n@RequireKotlin("1.2.50", versionKind = RequireKotlinVersionKind.COMPILER\_VERSION)\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.6")\n@Deprecated("Please use RequiresOptIn instead.")\npublic annotation class Experimental(val level: Level = Level.ERROR) {\n /\*\*\n \* Severity of the diagnostic that should be reported on usages of experimental API which did not explicitly accept the experimental aspect\n \* of that API either by using [UseExperimental] or by being annotated with the corresponding marker annotation.\n \*/\n public enum class Level {\n /\*\* Specifies that a warning should be reported on incorrect usages of this experimental API. \*/\n WARNING,\n /\*\* Specifies that an error should be reported on incorrect usages of this experimental API. \*/\n ERROR,\n }\n}\n\n/\*\*\n \* Allows to use experimental API denoted by the given markers in the annotated file, declaration, or expression.\n \* If a declaration is annotated with [UseExperimental], its usages are **not** required to opt-in to that experimental API.\n \* This class is deprecated in favor of a more general approach provided by [RequiresOptIn]/[OptIn].\n \*/\n\n@Target(\n CLASS, PROPERTY, LOCAL\_VARIABLE, VALUE\_PARAMETER, CONSTRUCTOR, FUNCTION, PROPERTY\_GETTER, PROPERTY\_SETTER, EXPRESSION, FILE, TYPEALIAS\n)\n@Retention(SOURCE)\n@SinceKotlin("1.2")\n@RequireKotlin("1.2.50", versionKind = RequireKotlinVersionKind.COMPILER\_VERSION)\n@DeprecatedSinceKotlin(warningSince = "1.4", errorSince = "1.6")\n@Deprecated("Please use OptIn instead.", ReplaceWith("OptIn(\*markerClass)", "kotlin.OptIn"))\npublic annotation class UseExperimental(\n vararg val markerClass: KClass<out Annotation>\n)\n\n@Target(CLASS, PROPERTY, CONSTRUCTOR, FUNCTION, TYPEALIAS)\n@Retention(BINARY)\ninternal annotation class WasExperimental(\n vararg val markerClass: KClass<out Annotation>\n)\n\n", package kotlin\nimport kotlin.annotation.AnnotationTarget.\*\n\n/\*\*\n \* This annotation marks the standard library API that is considered experimental and is not subject to the\n \* [general compatibility guarantees](https://kotlinlang.org/docs/reference/evolution/components-stability.html) given for the standard library:\n \* the behavior of such API may be changed or the API may be removed completely in any further release.\n \* Beware using the annotated API especially if you're developing a library, since your library might become binary incompatible\n \* with the future versions of the standard library.\n \* Any usage of a declaration annotated with `@ExperimentalStdlibApi` must be accepted either by\n \* annotating that usage with the [OptIn] annotation, e.g. `@OptIn(ExperimentalStdlibApi::class)`,\n \* or by using the compiler argument `--opt-in=kotlin.ExperimentalStdlibApi`.\n \*/\n\n@RequiresOptIn(level = RequiresOptIn.Level.ERROR)\n@Retention(AnnotationRetention.BINARY)\n@Target(\n CLASS,\n ANNOTATION\_CLASS,\n PROPERTY,\n FIELD,\n LOCAL\_VARIABLE,\n VALUE\_PARAMETER,\n

CONSTRUCTOR,\n FUNCTION,\n PROPERTY\_GETTER,\n PROPERTY\_SETTER,\n TYPEALIAS\n)\n\n@MustBeDocumented\n@SinceKotlin("1.3")\n\npublic annotation class ExperimentalStdlibApi\n", /\*\n \* Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n \* Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n \*/\n\npackage kotlin\n\nimport kotlin.annotation.AnnotationTarget.\*\nimport kotlin.experimental.ExperimentalTypeInference\n\n/\*\*\n \* Allows to infer generic type arguments of a function from the calls in the annotated function parameter of that function.\n \* \n \* When this annotation is placed on a generic function parameter of a function,\n \* it enables to infer the type arguments of that generic function from the lambda body passed to that parameter.\n \* \n \* The calls that affect inference are either members of the receiver type of an annotated function parameter or\n \* extensions for that type. The extensions must be themselves annotated with `@BuilderInference`.\n \* \n \* Example: we declare\n \* ```\n \* fun <T> sequence(@BuilderInference block: suspend SequenceScope<T>().> Unit): Sequence<T>\n \* ```\n \* and use it like\n \* ```\n \* val result = sequence { yield("result") }\n \* ```\n \* Here the type argument of the resulting sequence is inferred to `String` from\n \* the argument of the [SequenceScope.yield] function, that is called inside the lambda passed to [sequence].\n \* \n \* Note: this annotation is experimental, see [ExperimentalTypeInference] on how to opt-in for it.\n \*/\n\n@Target(VALUE\_PARAMETER, FUNCTION, PROPERTY)\n\n@Retention(AnnotationRetention.BINARY)\n\n@SinceKotlin("1.3")\n\n@ExperimentalTypeInference\n\npublic annotation class BuilderInference\n\n/\*\*\n \* Enables overload selection based on the type of the value returned from lambda argument.\n \* \n \* When two or more function overloads have otherwise the same parameter lists that differ only in the return type\n \* of a functional parameter, this annotation enables overload selection by the type of the value returned from\n \* the lambda function passed to this functional parameter.\n \* \n \* Example:\n \* ```\n \* @OverloadResolutionByLambdaReturnType\n \* fun create(intProducer: () -> Int): Int\n \* fun create(doubleProducer: () -> Double): Double\n \* val newValue = create { 3.14 }\n \* ```\n \* \n \* The annotation being applied to one of overloads allows to resolve this ambiguity by analyzing what value is returned\n \* from the lambda function.\n \* \n \* This annotation is also used to discriminate the annotated overloads in case if overload selection still cannot\n \* choose one of them even taking in account the result of lambda parameter analysis. In that case a warning is reported.\n \* \n \* Note: this annotation is experimental, see [ExperimentalTypeInference] on how to opt-in for it.\n \*/\n\n@Target(FUNCTION)\n\n@Retention(AnnotationRetention.BINARY)\n\n@SinceKotlin("1.4")\n\n@ExperimentalTypeInference\n\npublic annotation class OverloadResolutionByLambdaReturnType\n", /\*\n \* Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n \* Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n \*/\n\npackage kotlin\n\nimport kotlin.annotation.AnnotationTarget.\*\nimport kotlin.internal.RequireKotlin\nimport kotlin.internal.RequireKotlinVersionKind\n\n/\*\*\n \* The experimental multiplatform support API marker.\n \* \n \* Any usage of a declaration annotated with `@ExperimentalMultiplatform` must be accepted either by\n \* annotating that usage with the [OptIn] annotation, e.g. `@OptIn(ExperimentalMultiplatform::class)`,\n \* or by using the compiler argument `-opt-in=kotlin.ExperimentalMultiplatform`.\n \*/\n\n@RequiresOptIn\n\n@MustBeDocumented\n\n@Target(\n CLASS,\n ANNOTATION\_CLASS,\n PROPERTY,\n FIELD,\n LOCAL\_VARIABLE,\n VALUE\_PARAMETER,\n CONSTRUCTOR,\n FUNCTION,\n PROPERTY\_GETTER,\n PROPERTY\_SETTER,\n TYPEALIAS\n)\n\n@Retention(AnnotationRetention.BINARY)\n\n@RequireKotlin("1.2.50", versionKind = RequireKotlinVersionKind.COMPILER\_VERSION)\n\npublic annotation class ExperimentalMultiplatform\n\n/\*\*\n \* Marks an expected annotation class that it isn't required to have actual counterparts in all platforms.\n \* \n \* This annotation is only applicable to `expect` annotation classes in multi-platform projects and marks that class as `optional`.\n \* \n \* Optional expected class is allowed to have no corresponding actual class on the platform. Optional annotations can only be used\n \* to annotate something, not as types in signatures. If an optional annotation has no corresponding actual class on a platform,\n \* the annotation entries where it's used are simply erased when compiling code on that platform.\n \* \n \* Note: this annotation is experimental, see [ExperimentalMultiplatform] on

how to opt-in for it.\n

```
*\n@Target(ANNOTATION_CLASS)\n@Retention(AnnotationRetention.BINARY)\n@ExperimentalMultiplatform\n\n@RequireKotlin("1.2.50", versionKind = RequireKotlinVersionKind.COMPILER_VERSION)\npublic\nannotation class OptionalExpectation\n", /*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming\nLanguage contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the\nlicense/LICENSE.txt file.\n */\npackage kotlin\n\nimport
```

```
kotlin.annotation.AnnotationRetention.BINARY\nimport kotlin.annotation.AnnotationRetention.SOURCE\nimport\nkotlin.annotation.AnnotationTarget\n\nimport kotlin.internal.RequireKotlin\nimport
```

```
kotlin.internal.RequireKotlinVersionKind\nimport kotlin.reflect.KClass\n\n/**\n * Signals that the annotated\nannotation class is a marker of an API that requires an explicit opt-in.\n * Call sites of any declaration annotated\nwith that marker should opt in to the API either by using [OptIn],\n * or by being annotated with that marker\nthemselves, effectively causing further propagation of the opt-in requirement.\n * This class requires opt-in itself\nand can only be used with the compiler argument -opt-in=kotlin.RequiresOptIn`.\n * @property message\nmessage to be reported on usages of API without an explicit opt-in, or empty string for the default message.\n *
```

The default message is: `"This declaration is experimental and its usage should be marked with 'Marker'"` \*

or `'@OptIn(Marker::class)'`, where `Marker`` is the opt-in requirement marker.\n \* @property level specifies\nhow usages of API without an explicit opt-in are reported in code.\n

```
*\n@Target(ANNOTATION_CLASS)\n@Retention(BINARY)\n@SinceKotlin("1.3")\n@RequireKotlin("1.3.70\n", versionKind = RequireKotlinVersionKind.COMPILER_VERSION)\npublic annotation class RequiresOptIn(\nval message: String = "",\nval level: Level = Level.ERROR)\n {\n /**\n * Severity of the diagnostic that\nshould be reported on usages which did not explicitly opt into\n * the API either by using [OptIn] or by being\nannotated with the corresponding marker annotation.\n */\n public enum class Level {\n /** Specifies that a\nwarning should be reported on incorrect usages of this API. *\n WARNING,\n\n /** Specifies that an error\nshould be reported on incorrect usages of this API. *\n ERROR,\n }\n}\n\n/**\n * Allows to use the API\ndenoted by the given markers in the annotated file, declaration, or expression.\n * If a declaration is annotated with\n[OptIn], its usages are not required to opt in to that API.\n * This class requires opt-in itself and can only be\nused with the compiler argument -opt-in=kotlin.RequiresOptIn`.\n *\n@Target(\n CLASS, PROPERTY,\n LOCAL_VARIABLE, VALUE_PARAMETER, CONSTRUCTOR, FUNCTION, PROPERTY_GETTER,\n PROPERTY_SETTER, EXPRESSION, FILE,
```

```
TYPEALIAS)\n\n@Retention(SOURCE)\n@SinceKotlin("1.3")\n@RequireKotlin("1.3.70", versionKind =\nRequireKotlinVersionKind.COMPILER_VERSION)\npublic annotation class OptIn(\nvararg val markerClass:\nKClass<out Annotation>)\n", /*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language\ncontributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the\nlicense/LICENSE.txt file.\n */\npackage kotlin.collections\n\nimport kotlin.js.JsName\n\n/**\n * Provides a skeletal\nimplementation of the read-only [Collection] interface.\n * @param E the type of elements contained in the\ncollection. The collection is covariant in its element type.\n *\n@SinceKotlin("1.1")\npublic abstract class\nAbstractCollection<out E> protected constructor() : Collection<E> {\n abstract override val size: Int\n abstract\noverride fun iterator(): Iterator<E>\n\n override fun contains(element: @UnsafeVariance E): Boolean = any { it\n== element }\n\n override fun containsAll(elements: Collection<@UnsafeVariance E>): Boolean =\nelements.all { contains(it) } // use when js will support bound refs: elements.all(this::contains)\n\n override fun\nisEmpty(): Boolean = size == 0\n\n override fun toString(): String = joinToString(", ", "[", "]"")\n {\n if (it\n=== this) "(this Collection)" else it.toString()\n }\n\n /**\n * Returns new array of type Array<Any?> with\nthe elements of this collection.\n *\n @JsName("toArray")\n protected open fun toArray(): Array<Any?> =\ncopyToArrayImpl(this)\n\n /**\n * Fills the provided [array] or creates new array of the same type\n * and\nfills it with the elements of this collection.\n *\n protected open fun <T> toArray(array: Array<T>): Array<T>\n= copyToArrayImpl(this, array)\n}\n", /*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming\nLanguage contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the\nlicense/LICENSE.txt file.\n */\npackage kotlin.collections\n\nprivate enum class State {\n Ready,\n
```

```

NotReady,\n Done,\n Failed\n}\n\n/**\n * A base class to simplify implementing iterators so that
implementations only have to implement [computeNext]\n * to implement the iterator, calling [done] when the
iteration is complete.\n */\npublic abstract class AbstractIterator<T> : Iterator<T> {\n    private var state =
State.NotReady\n    private var nextValue: T? = null\n\n    override fun hasNext(): Boolean {\n        require(state !=
State.Failed)\n        return when (state) {\n            State.Done -> false\n            State.Ready -> true\n            else ->
tryToComputeNext()\n        }\n    }\n\n    override fun next(): T {\n        if (!hasNext()) throw
NoSuchElementException()\n        state = State.NotReady\n        @Suppress(\"UNCHECKED_CAST\")\n        return nextValue as T\n    }\n\n    private fun tryToComputeNext(): Boolean {\n        state = State.Failed\n        computeNext()\n        return state == State.Ready\n    }\n\n    /**\n     * Computes the next item in the iterator.\n     *\n     * This callback method should call one of these two methods:\n     * * [setNext] with the next value of
the iteration\n     * * [done] to indicate there are no more elements\n     * * Failure to call either method will
result in the iteration terminating with a failed state\n     */\n    abstract protected fun computeNext(): Unit\n\n    /**\n     * Sets the next value in the iteration, called from the [computeNext] function\n     */\n    protected fun
setNext(value: T): Unit {\n        nextValue = value\n        state = State.Ready\n    }\n\n    /**\n     * Sets the state to
done so that the iteration terminates.\n     */\n    protected fun done() {\n        state = State.Done\n    }\n}\n\n\"/>\n\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code
is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n * Based on
GWT AbstractList\n * Copyright 2007 Google Inc.\n */\npackage kotlin.collections\n\n * Provides a skeletal
implementation of the read-only [List] interface.\n *\n * This class is intended to help implementing read-only lists
so it doesn't support concurrent modification tracking.\n *\n * @param E the type of elements contained in the list.
The list is covariant in its element type.\n */\n@SinceKotlin(\"1.1\")\npublic abstract class AbstractList<out E>
protected constructor() : AbstractCollection<E>(), List<E> {\n    abstract override val size: Int\n    abstract override
fun get(index: Int): E\n\n    override fun iterator(): Iterator<E> = IteratorImpl()\n\n    override fun indexOf(element:
@UnsafeVariance E): Int = indexOfFirst { it == element }\n\n    override fun lastIndexOf(element:
@UnsafeVariance E): Int = indexOfLast { it == element }\n\n    override fun listIterator(): ListIterator<E> =
ListIteratorImpl(0)\n\n    override fun listIterator(index: Int): ListIterator<E> = ListIteratorImpl(index)\n\n    override fun
subList(fromIndex: Int, toIndex: Int): List<E> = SubList(this, fromIndex, toIndex)\n\n    private class
SubList<out E>(private val list: AbstractList<E>, private val fromIndex: Int, toIndex: Int) : AbstractList<E>(),
RandomAccess {\n        private var _size: Int = 0\n\n        init {\n            checkRangeIndexes(fromIndex, toIndex,
list.size)\n            this._size = toIndex - fromIndex\n        }\n\n        override fun get(index: Int): E {\n           
checkElementIndex(index, _size)\n            return list[fromIndex + index]\n        }\n\n        override val size: Int
get() = _size\n    }\n\n    /**\n     * Compares this list with other list instance with the ordered structural equality.\n     *\n     * @return true, if [other] instance is a [List] of the same size, which contains the same elements in the same
order.\n     */\n    override fun equals(other: Any?): Boolean {\n        if (other === this) return true\n        if (other !is
List<*>) return false\n\n        return orderedEquals(this, other)\n    }\n\n    /**\n     * Returns the hash code value for
this list.\n     */\n    override fun hashCode(): Int = orderedHashCode(this)\n\n    private open inner class IteratorImpl
: Iterator<E> {\n        /** the index of the item that will be returned on the next call to [next]`()\n     */\n        protected
var index = 0\n\n        override fun hasNext(): Boolean = index < size\n\n        override fun next(): E {\n            if
(!hasNext()) throw NoSuchElementException()\n            return get(index++)\n        }\n    }\n\n    /**\n     *
Implementation of [ListIterator] for abstract lists.\n     */\n    private open inner class ListIteratorImpl(index: Int) :
IteratorImpl(), ListIterator<E> {\n        init {\n            checkPositionIndex(index, this@AbstractList.size)\n            this.index = index\n        }\n\n        override fun hasPrevious(): Boolean = index > 0\n\n        override fun
nextIndex(): Int = index\n\n        override fun previous(): E {\n            if (!hasPrevious()) throw
NoSuchElementException()\n            return get(--index)\n        }\n\n        override fun previousIndex(): Int = index -
1\n    }\n\n    internal companion object {\n        internal fun checkElementIndex(index: Int, size: Int) {\n            if
(index < 0 || index >= size) {\n                throw IndexOutOfBoundsException(\"index: $index, size: $size\")\n            }\n        }\n\n        internal fun checkPositionIndex(index: Int, size: Int) {\n            if (index < 0 || index > size) {\n                throw
IndexOutOfBoundsException(\"index: $index, size: $size\")\n            }\n        }\n\n        internal fun

```

```

checkRangeIndexes(fromIndex: Int, toIndex: Int, size: Int) {
    if (fromIndex < 0 || toIndex > size) {
        throw IndexOutOfBoundsException("fromIndex: $fromIndex, toIndex: $toIndex, size: $size")
    }
    if (fromIndex > toIndex) {
        throw IllegalArgumentException("fromIndex: $fromIndex > toIndex: $toIndex")
    }
    internal fun checkBoundsIndexes(startIndex: Int, endIndex: Int, size: Int) {
        if (startIndex < 0 || endIndex > size) {
            throw IndexOutOfBoundsException("startIndex: $startIndex, endIndex: $endIndex, size: $size")
        }
        if (startIndex > endIndex) {
            throw IllegalArgumentException("startIndex: $startIndex > endIndex: $endIndex")
        }
        internal fun orderedHashCode(c: Collection<*>): Int {
            var hashCode = 1
            for (e in c) {
                hashCode = 31 * hashCode + (e?.hashCode() ?: 0)
            }
            return hashCode
        }
        internal fun orderedEquals(c: Collection<*>, other: Collection<*>): Boolean {
            if (c.size != other.size) return false
            val otherIterator = other.iterator()
            for (elem in c) {
                val elemOther = otherIterator.next()
                if (elem != elemOther) {
                    return false
                }
            }
            return true
        }
    }
}

```

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Based on GWT AbstractMap Copyright 2007 Google Inc.

package kotlin.collections

Provides a skeletal implementation of the read-only [Map] interface. The implementor is required to implement [entries] property, which should return read-only set of map entries.

@param K the type of map keys. The map is invariant in its key type.

@param V the type of map values. The map is covariant in its value type.

```

@SinceKotlin("1.1")
public abstract class AbstractMap<K, out V> protected constructor() : Map<K, V> {
    override fun containsKey(key: K): Boolean {
        return implFindEntry(key) != null
    }
    override fun containsValue(value: @UnsafeVariance V): Boolean = entries.any { it.value == value }
    internal fun containsEntry(entry: Map.Entry<K, V>): Boolean {
        // since entry comes from @UnsafeVariance parameters it can be virtually anything
        if (entry !is Map.Entry<K, V>) return false
        val key = entry.key
        val value = entry.value
        val ourValue = get(key)
        if (value != ourValue) {
            return false
        }
        // Perhaps it was null and we don't contain the key?
        if (ourValue == null && !containsKey(key)) {
            return false
        }
        return true
    }
    /** Compares this map with other instance with the ordered structural equality.
     * @return true, if [other] instance is a [Map] of the same size, all entries of which are contained in the [entries] set of this map.
     */
    override fun equals(other: Any?): Boolean {
        if (other === this) return true
        if (other !is Map<K, V>) return false
        if (size != other.size) return false
        return other.entries.all { containsEntry(it) }
    }
    override operator fun get(key: K): V? = implFindEntry(key)?.value
    /** Returns the hash code value for this map. It is the same as the hashCode of [entries] set.
     */
    override fun hashCode(): Int = entries.hashCode()
    override fun isEmpty(): Boolean = size == 0
    override val size: Int get() = entries.size
    /** Returns a read-only [Set] of all keys in this map.
     * Accessing this property first time creates a keys view from [entries].
     * All subsequent accesses just return the created instance.
     */
    override val keys: Set<K> get() {
        if (_keys == null) {
            _keys = object : AbstractSet<K>() {
                override operator fun contains(element: K): Boolean = containsKey(element)
                override operator fun iterator(): Iterator<K> {
                    val entryIterator = entries.iterator()
                    return object : Iterator<K> {
                        override fun hasNext(): Boolean = entryIterator.hasNext()
                        override fun next(): K = entryIterator.next().key
                    }
                }
                override val size: Int get() = this@AbstractMap.size
            }
            return _keys!!
        }
        @kotlin.jvm.Volatile
        private var _keys: Set<K>? = null
        override fun toString(): String = entries.joinToString(", ", "\n", "\n") {
            toString(it)
        }
        private fun toString(entry: Map.Entry<K, V>): String = toString(entry.key) + "=" + toString(entry.value)
        private fun toString(o: Any?): String = if (o === this) "(this Map)" else o.toString()
        /** Returns a read-only [Collection] of all values in this map.
         * Accessing this property first time creates a values view from [entries].
         * All subsequent accesses just return the created instance.
         */
        override val values: Collection<V> get() {
            if (_values == null) {
                _values = object : AbstractCollection<V>() {
                    override operator fun contains(element: @UnsafeVariance V): Boolean =

```

```

containsValue(element)\n\n                override operator fun iterator(): Iterator<V> {\n\n                val
entryIterator = entries.iterator()\n\n                return object : Iterator<V> {\n\n                override fun
hasNext(): Boolean = entryIterator.hasNext()\n\n                override fun next(): V = entryIterator.next().value\n\n                }\n\n                }\n\n                override val size: Int get() = this@AbstractMap.size\n\n                }\n\n                }\n\n                return _values!!\n\n                }\n\n                @kotlin.jvm.Volatile\n                private var _values: Collection<V>? = null\n\n                private fun implFindEntry(key: K): Map.Entry<K, V>? = entries.firstOrNull { it.key == key }\n\n                internal
companion object {\n\n                internal fun entryHashCode(e: Map.Entry<*, *>): Int = with(e) { (key?.hashCode() ?:
0) xor (value?.hashCode() ?: 0) }\n\n                internal fun entryToString(e: Map.Entry<*, *>): String = with(e) {
\"$key=$value\" }\n\n                internal fun entryEquals(e: Map.Entry<*, *>, other: Any?): Boolean {\n\n                if (other !is
Map.Entry<*, *>) return false\n\n                return e.key == other.key && e.value == other.value\n\n                }\n\n                }\n\n                }"/*\n                * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n                * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n\n                */\n                package kotlin.collections\n\n                /**\n                * Provides a skeletal implementation of the read-only [Set] interface.\n                * \n                * This class is intended to help implementing read-only sets so it doesn't support concurrent modification tracking.\n                * \n                * @param E the type of elements contained in the set. The set is covariant in its element type.\n                */\n                @SinceKotlin("1.1")\n                public abstract class AbstractSet<out E> protected constructor() :
AbstractCollection<E>(), Set<E> {\n\n                /**\n                * Compares this set with other set instance with the unordered
structural equality.\n                * \n                * @return true, if [other] instance is a [Set] of the same size, all elements of which are
contained in this set.\n                * \n                * override fun equals(other: Any?): Boolean {\n\n                if (other === this) return true\n\n                if (other !is Set<*>) return false\n\n                return setEquals(this, other)\n\n                }\n\n                /**\n                * Returns the hash code
value for this set.\n                * \n                * override fun hashCode(): Int = unorderedHashCode(this)\n\n                internal companion
object {\n\n                internal fun unorderedHashCode(c: Collection<*>): Int {\n\n                var hashCode = 0\n\n                for
(element in c) {\n\n                hashCode += (element?.hashCode() ?: 0)\n\n                }\n\n                return hashCode\n\n                }\n\n                internal fun setEquals(c: Set<*>, other: Set<*>): Boolean {\n\n                if (c.size != other.size) return false\n\n                return c.containsAll(other)\n\n                }\n\n                }\n\n                }"/*\n                * Copyright 2010-2019 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n                * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n                */\n                package kotlin.collections\n\n                /**\n                * Resizable-array implementation
of the deque data structure.\n                * \n                * The name deque is short for "double ended queue" and is usually pronounced
"deck".\n                * \n                * The collection provide methods for convenient access to the both ends.\n                * \n                * It also implements
[MutableList] interface and supports efficient get/set operations by index.\n                */\n                @SinceKotlin("1.4")\n                @WasExperimental(ExperimentalStdlibApi::class)\n                public class ArrayDeque<E> :
AbstractMutableList<E> {\n\n                private var head: Int = 0\n\n                private var elementData: Array<Any?>\n\n                override
var size: Int = 0\n\n                private set\n\n                /**\n                * Constructs an empty deque with specified [initialCapacity], or
throws [IllegalArgumentException] if [initialCapacity] is negative.\n                * \n                * public constructor(initialCapacity:
Int) {\n\n                elementData = when {\n\n                initialCapacity == 0 -> emptyElementData\n\n                initialCapacity > 0 -
> arrayOfNulls(initialCapacity)\n\n                else -> throw IllegalArgumentException("Illegal Capacity:
$initialCapacity")\n\n                }\n\n                }\n\n                /**\n                * Constructs an empty deque.\n                * \n                * public constructor() {\n\n                elementData = emptyElementData\n\n                }\n\n                /**\n                * Constructs a deque that contains the same elements as the
specified [elements] collection in the same order.\n                * \n                * public constructor(elements: Collection<E>) {\n\n                elementData = elements.toArray()\n\n                size = elementData.size\n\n                if (elementData.isEmpty())
elementData = emptyElementData\n\n                }\n\n                /**\n                * Ensures that the capacity of this deque is at least equal to
the specified [minCapacity].\n                * \n                * If the current capacity is less than the [minCapacity], a new backing
storage is allocated with greater capacity.\n                * \n                * Otherwise, this method takes no action and simply returns.\n                * \n                * private fun ensureCapacity(minCapacity: Int) {\n\n                if (minCapacity < 0) throw IllegalStateException("Deque is
too big.") // overflow\n\n                if (minCapacity <= elementData.size) return\n\n                if (elementData ===
emptyElementData) {\n\n                elementData = arrayOfNulls(minCapacity.coerceAtLeast(defaultMinCapacity))\n\n                return\n\n                }\n\n                val newCapacity = newCapacity(elementData.size, minCapacity)\n\n                copyElements(newCapacity)\n\n                }\n\n                /**\n                * Creates a new array with the specified [newCapacity] size and

```

```

copies elements in the [elementData] array to it.\n    */\n    private fun copyElements(newCapacity: Int) {\n        val
newElements = arrayOfNulls<Any?>(newCapacity)\n        elementData.copyInto(newElements, 0, head,
elementData.size)\n        elementData.copyInto(newElements, elementData.size - head, 0, head)\n        head = 0\n
elementData = newElements\n    }\n\n    @kotlin.internal.InlineOnly\n    private inline fun
internalGet(internalIndex: Int): E {\n        @Suppress("UNCHECKED_CAST")\n        return
elementData[internalIndex] as E\n    }\n\n    private fun positiveMod(index: Int): Int = if (index >=
elementData.size) index - elementData.size else index\n\n    private fun negativeMod(index: Int): Int = if (index < 0)
index + elementData.size else index\n\n    @kotlin.internal.InlineOnly\n    private inline fun internalIndex(index:
Int): Int = positiveMod(head + index)\n\n    private fun incremented(index: Int): Int = if (index ==
elementData.lastIndex) 0 else index + 1\n\n    private fun decremented(index: Int): Int = if (index == 0)
elementData.lastIndex else index - 1\n\n    override fun isEmpty(): Boolean = size == 0\n\n    /**\n     * Returns the
first element, or throws [NoSuchElementException] if this deque is empty.\n     */\n    public fun first(): E = if
(isEmpty()) throw NoSuchElementException("ArrayDeque is empty.") else internalGet(head)\n\n    /**\n     *
Returns the first element, or `null` if this deque is empty.\n     */\n    public fun firstOrNull(): E? = if (isEmpty()) null
else internalGet(head)\n\n    /**\n     * Returns the last element, or throws [NoSuchElementException] if this deque
is empty.\n     */\n    public fun last(): E = if (isEmpty()) throw NoSuchElementException("ArrayDeque is empty.")
else internalGet(internalIndex(lastIndex))\n\n    /**\n     * Returns the last element, or `null` if this deque is empty.\n
     */\n    public fun lastOrNull(): E? = if (isEmpty()) null else internalGet(internalIndex(lastIndex))\n\n    /**\n
     * Prepends the specified [element] to this deque.\n     */\n    public fun addFirst(element: E) {\n
ensureCapacity(size + 1)\n        head = decremented(head)\n        elementData[head] = element\n        size += 1\n
}\n\n    /**\n     * Appends the specified [element] to this deque.\n     */\n    public fun addLast(element: E) {\n
ensureCapacity(size + 1)\n        elementData[internalIndex(size)] = element\n        size += 1\n    }\n\n    /**\n
     * Removes the first element from this deque and returns that removed element, or throws [NoSuchElementException]
if this deque is empty.\n     */\n    public fun removeFirst(): E {\n        if (isEmpty()) throw
NoSuchElementException("ArrayDeque is empty.")\n        val element = internalGet(head)\n        elementData[head] = null\n
        head = incremented(head)\n        size -= 1\n        return element\n    }\n\n    /**\n     * Removes the
first element from this deque and returns that removed element, or returns `null` if this deque is
empty.\n     */\n    public fun removeFirstOrNull(): E? = if (isEmpty()) null else removeFirst()\n\n    /**\n
     * Removes the last element from this deque and returns that removed element, or throws [NoSuchElementException]
if this deque is empty.\n     */\n    public fun removeLast(): E {\n        if (isEmpty()) throw
NoSuchElementException("ArrayDeque is empty.")\n        val internalLastIndex = internalIndex(lastIndex)\n
        val element = internalGet(internalLastIndex)\n        elementData[internalLastIndex] = null\n        size -= 1\n
        return element\n    }\n\n    /**\n     * Removes the last element from this deque and returns that removed element,
or returns `null` if this deque is empty.\n     */\n    public fun removeLastOrNull(): E? = if (isEmpty()) null else
removeLast()\n\n    // MutableList, MutableCollection\n    public override fun add(element: E): Boolean {\n
addLast(element)\n        return true\n    }\n\n    public override fun add(index: Int, element: E) {\n
AbstractList.checkPositionIndex(index, size)\n        if (index == size) {\n            addLast(element)\n
return\n        } else if (index == 0) {\n            addFirst(element)\n            return\n        }\n        ensureCapacity(size
+ 1)\n        // Elements in circular array lay in 2 ways:\n        // 1. `head` is less than `tail`:    [#, #, e1, e2, e3,
#]\n        // 2. `head` is greater than `tail`:    [e3, #, #, #, e1, e2]\n        // where head is the index of the first element
in the circular array,\n        // and tail is the index following the last element.\n        // At this point the
insertion index is not equal to head or tail.\n        // Also the circular array can store at least one more element.\n
//\n        // Depending on where the given element must be inserted the preceding or the succeeding\n        // elements
will be shifted to make room for the element to be inserted.\n        // In case the preceding elements are
shifted:\n        // * if the insertion index is greater than the head (regardless of circular array form)\n        // ->
shift the preceding elements\n        // * otherwise, the circular array has (2) form and the insertion index is less than
tail\n        // -> shift all elements in the back of the array\n        // -> shift preceding elements in the front of the
array\n        // In case the succeeding elements are shifted:\n        // * if the insertion index is less than the tail

```

```

(regardless of circular array form)\n    // -> shift the succeeding elements\n    // * otherwise, the circular
array has (2) form and the insertion index is greater than head\n    // -> shift all elements in the front of the
array\n    // -> shift succeeding elements in the back of the array\n\n    val internalIndex =
internalIndex(index)\n\n    if (index < (size + 1) shr 1) {\n        // closer to the first element -> shift preceding
elements\n        val decrementedInternalIndex = decremented(internalIndex)\n        val decrementedHead =
decremented(head)\n\n        if (decrementedInternalIndex >= head) {\n            elementData[decrementedHead]
= elementData[head] // head can be zero\n            elementData.copyInto(elementData, head, head + 1,
decrementedInternalIndex + 1)\n        } else { // head > tail\n            elementData.copyInto(elementData, head -
1, head, elementData.size) // head can't be zero\n            elementData[elementData.size - 1] = elementData[0]\n            elementData.copyInto(elementData, 0, 1, decrementedInternalIndex + 1)\n        }\n\n        elementData[decrementedInternalIndex] = element\n        head = decrementedHead\n    } else {\n        //
closer to the last element -> shift succeeding elements\n        val tail = internalIndex(size)\n\n        if
(internalIndex < tail) {\n            elementData.copyInto(elementData, internalIndex + 1, internalIndex, tail)\n
        } else { // head > tail\n            elementData.copyInto(elementData, 1, 0, tail)\n            elementData[0] =
elementData[elementData.size - 1]\n            elementData.copyInto(elementData, internalIndex + 1, internalIndex,
elementData.size - 1)\n        }\n\n        elementData[internalIndex] = element\n    }\n\n    size += 1\n }\n\nprivate fun copyCollectionElements(internalIndex: Int, elements: Collection<E>) {\n    val iterator =
elements.iterator()\n\n    for (index in internalIndex until elementData.size) {\n        if (!iterator.hasNext())
break\n        elementData[index] = iterator.next()\n    }\n\n    for (index in 0 until head) {\n        if
(!iterator.hasNext()) break\n        elementData[index] = iterator.next()\n    }\n\n    size += elements.size\n }\n\npublic override fun addAll(elements: Collection<E>): Boolean {\n    if (elements.isEmpty()) return false\n
ensureCapacity(this.size + elements.size)\n    copyCollectionElements(internalIndex(size), elements)\n
return true\n }\n\npublic override fun addAll(index: Int, elements: Collection<E>): Boolean {\n
AbstractList.checkPositionIndex(index, size)\n\n    if (elements.isEmpty()) {\n        return false\n    } else if
(index == size) {\n        return addAll(elements)\n    }\n\n    ensureCapacity(this.size + elements.size)\n\n    val tail = internalIndex(size)\n    val internalIndex = internalIndex(index)\n    val elementsSize =
elements.size\n\n    if (index < (size + 1) shr 1) {\n        // closer to the first element -> shift preceding
elements\n\n        var shiftedHead = head - elementsSize\n\n        if (internalIndex >= head) {\n            if
(shiftedHead >= 0) {\n                elementData.copyInto(elementData, shiftedHead, head, internalIndex)\n
            } else { // head < tail, insertion leads to head >= tail\n                shiftedHead += elementData.size\n                val
elementsToShift = internalIndex - head\n                val shiftToBack = elementData.size - shiftedHead\n\n                if (shiftToBack >= elementsToShift) {\n                    elementData.copyInto(elementData, shiftedHead, head,
internalIndex)\n                } else {\n                    elementData.copyInto(elementData, shiftedHead, head, head +
shiftToBack)\n                }\n                elementData.copyInto(elementData, 0, head + shiftToBack, internalIndex)\n
            }\n        }\n    } else { // head > tail, internalIndex < tail\n        elementData.copyInto(elementData,
shiftedHead, head, elementData.size)\n\n        if (elementsSize >= internalIndex) {\n            elementData.copyInto(elementData, elementData.size - elementsSize, 0, internalIndex)\n        } else {\n            elementData.copyInto(elementData, elementData.size - elementsSize, 0, elementsSize)\n
            elementData.copyInto(elementData, 0, elementsSize, internalIndex)\n        }\n    }\n\n    head =
shiftedHead\n    copyCollectionElements(negativeMod(internalIndex - elementsSize), elements)\n    } else
{\n        // closer to the last element -> shift succeeding elements\n\n        val shiftedInternalIndex =
internalIndex + elementsSize\n\n        if (internalIndex < tail) {\n            if (tail + elementsSize <=
elementData.size) {\n                elementData.copyInto(elementData, shiftedInternalIndex, internalIndex, tail)\n
            } else { // head < tail, insertion leads to head >= tail\n                if (shiftedInternalIndex >= elementData.size)\n            }\n            elementData.copyInto(elementData, shiftedInternalIndex - elementData.size, internalIndex, tail)\n
        } else {\n            val shiftToFront = tail + elementsSize - elementData.size\n            elementData.copyInto(elementData, 0, tail - shiftToFront, tail)\n            elementData.copyInto(elementData,
shiftedInternalIndex, internalIndex, tail - shiftToFront)\n        }\n    } else { // head > tail,

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internalIndex > head\n          elementData.copyInto(elementData, elementsSize, 0, tail)\n          if
(shiftedInternalIndex >= elementData.size) {\n          elementData.copyInto(elementData, shiftedInternalIndex
- elementData.size, internalIndex, elementData.size)\n          } else {\n
elementData.copyInto(elementData, 0, elementData.size - elementsSize, elementData.size)\n
elementData.copyInto(elementData, shiftedInternalIndex, internalIndex, elementData.size - elementsSize)\n
}\n      }\n      copyCollectionElements(internalIndex, elements)\n      }\n      return true\n      }\n      public
override fun get(index: Int): E {\n      AbstractList.checkElementIndex(index, size)\n      return
internalGet(internalIndex(index))\n      }\n      public override fun set(index: Int, element: E): E {\n
AbstractList.checkElementIndex(index, size)\n      val internalIndex = internalIndex(index)\n      val oldElement
= internalGet(internalIndex)\n      elementData[internalIndex] = element\n      return oldElement\n      }\n
public override fun contains(element: E): Boolean = indexOf(element) != -1\n      public override fun
indexOf(element: E): Int {\n      val tail = internalIndex(size)\n      if (head < tail) {\n      for (index in head
until tail) {\n      if (element == elementData[index]) return index - head\n      }\n      } else if (head >=
tail) {\n      for (index in head until elementData.size) {\n      if (element == elementData[index]) return
index - head\n      }\n      for (index in 0 until tail) {\n      if (element == elementData[index]) return
index + elementData.size - head\n      }\n      }\n      return -1\n      }\n      public override fun
lastIndexOf(element: E): Int {\n      val tail = internalIndex(size)\n      if (head < tail) {\n      for (index in tail
- 1 downTo head) {\n      if (element == elementData[index]) return index - head\n      }\n      } else if
(head > tail) {\n      for (index in tail - 1 downTo 0) {\n      if (element == elementData[index]) return
index + elementData.size - head\n      }\n      for (index in elementData.lastIndex downTo head) {\n
if (element == elementData[index]) return index - head\n      }\n      }\n      return -1\n      }\n      public
override fun remove(element: E): Boolean {\n      val index = indexOf(element)\n      if (index == -1) return
false\n      removeAt(index)\n      return true\n      }\n      public override fun removeAt(index: Int): E {\n
AbstractList.checkElementIndex(index, size)\n      if (index == lastIndex) {\n      return removeLast()\n      }
else if (index == 0) {\n      return removeFirst()\n      }\n      val internalIndex = internalIndex(index)\n
val element = internalGet(internalIndex)\n      if (index < size shr 1) {\n      // closer to the first element ->
shift preceding elements\n      if (internalIndex >= head) {\n      elementData.copyInto(elementData, head
+ 1, head, internalIndex)\n      } else { // head > tail, internalIndex < head\n
elementData.copyInto(elementData, 1, 0, internalIndex)\n      elementData[0] = elementData[elementData.size
- 1]\n      elementData.copyInto(elementData, head + 1, head, elementData.size - 1)\n      }\n      }\n
elementData[head] = null\n      head = incremented(head)\n      } else {\n      // closer to the last element ->
shift succeeding elements\n      val internalLastIndex = internalIndex(lastIndex)\n      if (internalIndex <=
internalLastIndex) {\n      elementData.copyInto(elementData, internalIndex, internalIndex + 1,
internalLastIndex + 1)\n      } else { // head > tail, internalIndex > head\n
elementData.copyInto(elementData, internalIndex, internalIndex + 1, elementData.size)\n
elementData[elementData.size - 1] = elementData[0]\n      elementData.copyInto(elementData, 0, 1,
internalLastIndex + 1)\n      }\n      elementData[internalLastIndex] = null\n      }\n      size -= 1\n
return element\n      }\n      public override fun removeAll(elements: Collection<E>): Boolean = filterInPlace {
!elements.contains(it) }\n      public override fun retainAll(elements: Collection<E>): Boolean = filterInPlace {
elements.contains(it) }\n      private inline fun filterInPlace(predicate: (E) -> Boolean): Boolean {\n      if
(this.isEmpty() || elementData.isEmpty())\n      return false\n      val tail = internalIndex(size)\n      var
newTail = head\n      var modified = false\n      if (head < tail) {\n      for (index in head until tail) {\n
val element = elementData[index]\n      @Suppress("UNCHECKED_CAST")\n      if
(predicate(element as E))\n      elementData[newTail++] = element\n      else\n      modified =
true\n      }\n      elementData.fill(null, newTail, tail)\n      } else {\n      for (index in head until
elementData.size) {\n      val element = elementData[index]\n      elementData[index] = null\n      @Suppress("UNCHECKED_CAST")\n      if (predicate(element as E))\n      elementData[newTail++] = element\n      else\n      modified = true\n      }\n      newTail =

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positiveMod(newTail)\n\n        for (index in 0 until tail) {\n            val element = elementData[index]\n            elementData[index] = null\n            @Suppress("UNCHECKED_CAST")\n            if (predicate(element as E)) {\n                elementData[newTail] = element\n                newTail = incremented(newTail)\n            }\n            else {\n                modified = true\n            }\n        }\n        if (modified)\n            size = negativeMod(newTail - head)\n        return modified\n    }\n\n    public override fun clear() {\n        val tail = internalIndex(size)\n        if (head < tail) {\n            elementData.fill(null, head, tail)\n        } else if (isEmpty()) {\n            elementData.fill(null, head, elementData.size)\n            elementData.fill(null, 0, tail)\n        }\n        head = 0\n        size = 0\n    }\n\n    @Suppress("NOTHING_TO_OVERRIDE")\n    override fun <T> toArray(array: Array<T>): Array<T> {\n        @Suppress("UNCHECKED_CAST")\n        val dest = (if (array.size >= size) array else arrayOfNulls(array, size)) as Array<Any?>\n        val tail = internalIndex(size)\n        if (head < tail) {\n            elementData.copyInto(dest, startIndex = head, endIndex = tail)\n        } else if (isEmpty()) {\n            elementData.copyInto(dest, destinationOffset = 0, startIndex = head, endIndex = elementData.size)\n            elementData.copyInto(dest, destinationOffset = elementData.size - head, startIndex = 0, endIndex = tail)\n        }\n        if (dest.size > size) {\n            dest[size] = null // null-terminate\n        }\n        @Suppress("UNCHECKED_CAST")\n        return dest as Array<T>\n    }\n\n    @Suppress("NOTHING_TO_OVERRIDE")\n    override fun toArray(): Array<Any?> {\n        return toArray(arrayOfNulls<Any?>(size))\n    }\n\n    // for testing\n    internal fun <T> testToArray(array: Array<T>): Array<T> = toArray(array)\n    internal fun testToArray(): Array<Any?> = toArray()\n\n    internal companion object {\n        private val emptyElementData = emptyArray<Any?>()\n        private const val maxArraySize = Int.MAX_VALUE - 8\n        private const val defaultMinCapacity = 10\n        internal fun newCapacity(oldCapacity: Int, minCapacity: Int): Int {\n            // overflow-conscious\n            var newCapacity = oldCapacity + (oldCapacity shr 1)\n            if (newCapacity - minCapacity < 0)\n                newCapacity = minCapacity\n            if (newCapacity - maxArraySize > 0)\n                newCapacity = if (minCapacity > maxArraySize) Int.MAX_VALUE else maxArraySize\n            return newCapacity\n        }\n    }\n\n    // For testing only\n    internal fun internalStructure(structure: (head: Int, elements: Array<Any?>) -> Unit) {\n        val tail = internalIndex(size)\n        val head = if (isEmpty() || head < tail) head else head - elementData.size\n        structure(head, toArray())\n    }\n\n    /*\n     * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n     * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n     */\n\n    @file:kotlin.jvm.JvmMultifileClass\n    @file:kotlin.jvm.JvmName("ArraysKt")\n\n    package kotlin.collections\n    @nimport kotlin.contracts.*\n\n    /**\n     * Returns a single list of all elements from all arrays in the given array.\n     */\n    @sample samples.collections.Arrays.Transformations.flattenArray\n    @npublic fun <T> Array<out Array<out T>>.flatten(): List<T> {\n        val result = ArrayList<T>(sumOf { it.size })\n        for (element in this) {\n            result.addAll(element)\n        }\n        return result\n    }\n\n    /**\n     * Returns a pair of lists, where\n     * *first* list is built from the first values of each pair from this array,\n     * *second* list is built from the second values of each pair from this array.\n     */\n    @sample samples.collections.Arrays.Transformations.unzipArray\n    @npublic fun <T, R> Array<out Pair<T, R>>.unzip(): Pair<List<T>, List<R>> {\n        val listT = ArrayList<T>(size)\n        val listR = ArrayList<R>(size)\n        for (pair in this) {\n            listT.add(pair.first)\n            listR.add(pair.second)\n        }\n        return listT to listR\n    }\n\n    /**\n     * Returns `true` if this nullable array is either null or empty.\n     */\n    @sample samples.collections.Arrays.Usage.arrayIsNullOrEmpty\n\n    @SinceKotlin("1.3")\n    @kotlin.internal.InlineOnly\n    @npublic inline fun Array<*>?.isNullOrEmpty(): Boolean {\n        contract {\n            returns(false) implies (this@isNullOrEmpty != null)\n        }\n        return this == null || this.isEmpty()\n    }\n\n    /**\n     * Returns this array if it's not empty\n     * or the result of calling [defaultValue] function if the array is empty.\n     */\n    @sample samples.collections.Arrays.Usage.arrayIfEmpty\n\n    @SinceKotlin("1.3")\n    @kotlin.internal.InlineOnly\n    @Suppress("UPPER_BOUND_CANNOT_BE_ARRAY")\n    @npublic inline fun <C, R> C.ifEmpty(defaultValue: () -> R): R where C : Array<*>, C : R =\n        if (isEmpty())\n            defaultValue() else\n                this\n\n    @OptIn(ExperimentalUnsignedTypes::class)\n    @SinceKotlin("1.3")\n    @PublishedApi\n    @kotlin.jvm.Jvm

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Name("contentDeepEquals")\n@kotlin.js.JsName("contentDeepEqualsImpl")\ninternal fun <T> Array<out
T>?.contentDeepEqualsImpl(other: Array<out T>?): Boolean {\n    if (this === other) return true\n    if (this == null
|| other == null || this.size != other.size) return false\n\n    for (i in indices) {\n        val v1 = this[i]\n        val v2 =
other[i]\n\n        if (v1 === v2) {\n            continue\n        } else if (v1 == null || v2 == null) {\n            return false\n
        }\n\n        when {\n            v1 is Array<*> && v2 is Array<*> -> if (!v1.contentDeepEquals(v2)) return
false\n            v1 is ByteArray && v2 is ByteArray -> if (!v1.contentEquals(v2)) return false\n            v1 is
ShortArray && v2 is ShortArray -> if (!v1.contentEquals(v2)) return false\n            v1 is IntArray && v2 is
IntArray -> if (!v1.contentEquals(v2)) return false\n            v1 is LongArray && v2 is LongArray -> if
(!v1.contentEquals(v2)) return false\n            v1 is FloatArray && v2 is FloatArray -> if (!v1.contentEquals(v2))
return false\n            v1 is DoubleArray && v2 is DoubleArray -> if (!v1.contentEquals(v2)) return false\n
            v1 is CharArray && v2 is CharArray -> if (!v1.contentEquals(v2)) return false\n            v1 is BooleanArray &&
v2 is BooleanArray -> if (!v1.contentEquals(v2)) return false\n            v1 is UByteArray && v2 is UByteArray
-> if (!v1.contentEquals(v2)) return false\n            v1 is UShortArray && v2 is UShortArray -> if
(!v1.contentEquals(v2)) return false\n            v1 is UIntArray && v2 is UIntArray -> if (!v1.contentEquals(v2))
return false\n            v1 is ULongArray && v2 is ULongArray -> if (!v1.contentEquals(v2)) return false\n\n        else -> if (v1 != v2) return false\n    }\n\n    }\n    return
true\n}\n\n@SinceKotlin("1.3")\n@PublishedApi\n@kotlin.jvm.JvmName("contentDeepToString")\n@kotlin.js.
JsName("contentDeepToStringImpl")\ninternal fun <T> Array<out T>?.contentDeepToStringImpl(): String {\n
if (this == null) return "null"\n    val length = size.coerceAtMost((Int.MAX_VALUE - 2) / 5) * 5 + 2 // in order not
to overflow Int.MAX_VALUE\n    return buildString(length) {\n        contentDeepToStringInternal(this,
mutableListOf())\n    }\n}\n\n@OptIn(ExperimentalUnsignedTypes::class)\nprivate fun <T> Array<out
T>.contentDeepToStringInternal(result: StringBuilder, processed: MutableList<Array<*>>) {\n    if (this in
processed) {\n        result.append("[...]")\n        return\n    }\n    processed.add(this)\n    result.append("[")\n\n    for (i
in indices) {\n        if (i != 0) {\n            result.append(", ")\n        }\n        val element = this[i]\n        when
(element) {\n            null -> result.append("null")\n            is Array<*> ->
element.contentDeepToStringInternal(result, processed)\n            is ByteArray ->
result.append(element.contentToString())\n            is ShortArray -> result.append(element.contentToString())\n
            is IntArray -> result.append(element.contentToString())\n            is LongArray ->
result.append(element.contentToString())\n            is FloatArray -> result.append(element.contentToString())\n
            is DoubleArray -> result.append(element.contentToString())\n            is CharArray ->
result.append(element.contentToString())\n            is BooleanArray -> result.append(element.contentToString())\n
            is UByteArray -> result.append(element.contentToString())\n            is UShortArray ->
result.append(element.contentToString())\n            is UIntArray -> result.append(element.contentToString())\n
            is ULongArray -> result.append(element.contentToString())\n            else ->
result.append(element.toString())\n        }\n    }\n    result.append("]")\n    processed.removeAt(processed.lastIndex)\n}
"/**\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.collections\n\n/**\n * Returns true if the brittle contains optimization
is enabled. See KT-45438. */\ninternal expect fun brittleContainsOptimizationEnabled(): Boolean\n\n/**\n * Returns true if [brittleContainsOptimizationEnabled] is true\n * and it's safe to convert this collection to a set
without changing contains method behavior.\n */\nprivate fun <T> Collection<T>.safeToConvertToSet() =
brittleContainsOptimizationEnabled() && size > 2 && this is ArrayList\n\n/**\n * When [brittleContainsOptimizationEnabled] is true:\n * - Converts this [Iterable] to a set if it is not a [Collection].\n * -
Converts this [Collection] to a set, when it's worth so and it doesn't change contains method behavior.\n * -
Otherwise returns this.\n * When [brittleContainsOptimizationEnabled] is false:\n * - Converts this [Iterable] to a
list if it is not a [Collection].\n * - Otherwise returns this.\n */\n\ninternal fun <T>
Iterable<T>.convertToSetForSetOperationWith(source: Iterable<T>): Collection<T> =\n    when (this) {\n        is
Set -> this\n        is Collection ->\n            when {\n                source is Collection && source.size < 2 -> this\n

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else -> if (this.safeToConvertToSet()) toHashSet() else this\n    }\n    else -> if
(brITTLECONTAINSOPTIMIZATIONENABLED()) toHashSet() else toList()\n    }\n\n/**\n * When
[brITTLECONTAINSOPTIMIZATIONENABLED] is true:\n * - Converts this [Iterable] to a set if it is not a [Collection].\n * -
Converts this [Collection] to a set, when it's worth so and it doesn't change contains method behavior.\n * -
Otherwise returns this.\n * When [brITTLECONTAINSOPTIMIZATIONENABLED] is false:\n * - Converts this [Iterable] to a
list if it is not a [Collection].\n * - Otherwise returns this.\n */\ninternal fun <T>
Iterable<T>.convertToSetForSetOperation(): Collection<T> =\n    when (this) {\n        is Set -> this\n        is
Collection -> if (this.safeToConvertToSet()) toHashSet() else this\n            else -> if
(brITTLECONTAINSOPTIMIZATIONENABLED()) toHashSet() else toList()\n    }\n\n/**\n * Converts this sequence to a set if
[brITTLECONTAINSOPTIMIZATIONENABLED] is true,\n * otherwise converts it to a list.\n */\ninternal fun <T>
Sequence<T>.convertToSetForSetOperation(): Collection<T> =\n    if (brITTLECONTAINSOPTIMIZATIONENABLED())
toHashSet() else toList()\n\n/**\n * Converts this array to a set if [brITTLECONTAINSOPTIMIZATIONENABLED] is true,\n *
otherwise converts it to a list.\n */\ninternal fun <T> Array<T>.convertToSetForSetOperation(): Collection<T> =\n    if
(brITTLECONTAINSOPTIMIZATIONENABLED()) toHashSet() else asList(),"/*\n * Copyright 2010-2018 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.collections\n\n/**\n * Data class
representing a value from a collection or sequence, along with its index in that collection or sequence.\n */\n *
@property value the underlying value.\n * @property index the index of the value in the collection or sequence.\n
*/\npublic data class IndexedValue<out T>(public val index: Int, public val value: T)\n\n/*\n * Copyright 2010-
2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmName("MapAccessorsKt")\n\npackage kotlin.collections\n\nimport
kotlin.reflect.KProperty\nimport kotlin.internal.Exact\n\n/**\n * Returns the value of the property for the given
object from this read-only map.\n * @param thisRef the object for which the value is requested (not used).\n *
@param property the metadata for the property, used to get the name of property and lookup the value
corresponding to this name in the map.\n * @return the property value.\n */\n * @throws NoSuchElementException
when the map doesn't contain value for the property name and doesn't provide an implicit default (see
[withDefault]).\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <V, V1 : V> Map<in String, @Exact
V>.getValue(thisRef: Any?, property: KProperty<*>): V1 =\n    @Suppress("UNCHECKED_CAST")
(getOrImplicitDefault(property.name) as V1)\n\n/**\n * Returns the value of the property for the given object from
this mutable map.\n * @param thisRef the object for which the value is requested (not used).\n * @param property
the metadata for the property, used to get the name of property and lookup the value corresponding to this name in
the map.\n * @return the property value.\n */\n * @throws NoSuchElementException when the map doesn't contain
value for the property name and doesn't provide an implicit default (see [withDefault]).\n
*/\n@kotlin.jvm.JvmName("getVar")\n@kotlin.internal.InlineOnly\npublic inline operator fun <V, V1 : V>
MutableMap<in String, out @Exact V>.getValue(thisRef: Any?, property: KProperty<*>): V1 =\n    @Suppress("UNCHECKED_CAST")
(getOrImplicitDefault(property.name) as V1)\n\n/**\n * Stores the value of the property for the given object in this
mutable map.\n * @param thisRef the object for which the value is requested (not used).\n * @param property the
metadata for the property, used to get the name of property and store the value associated with that name in the
map.\n * @param value the value to set.\n
*/\n@kotlin.internal.InlineOnly\npublic inline operator fun <V> MutableMap<in String, in V>.setValue(thisRef:
Any?, property: KProperty<*>, value: V) {\n    this.put(property.name, value)\n}\n\n/*\n * Copyright 2010-2018
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("MapsKt")\n\npackage
kotlin.collections\n\n/**\n * Returns the value for the given key, or the implicit default value for this map.\n * By
default no implicit value is provided for maps and a [NoSuchElementException] is thrown.\n * To create a map with
implicit default value use [withDefault] method.\n */\n * @throws NoSuchElementException when the map doesn't

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contain a value for the specified key and no implicit default was provided for that map.\n
*\n@kotlin.jvm.JvmName("\ngetOrImplicitDefaultNullable")\n@PublishedApi\ninternal fun <K, V> Map<K,\n
V>.getOrImplicitDefault(key: K): V {\n    if (this is MapWithDefault)\n        return\n
this.getOrImplicitDefault(key)\n    return getOrElseNullable(key, { throw NoSuchElementException("Key $key\n
is missing in the map.") })\n}\n\n/**\n * Returns a wrapper of this read-only map, having the implicit default value\n
provided with the specified function [defaultValue].\n * This implicit default value is used when the original\n
map doesn't contain a value for the key specified\n * and a value is obtained with [Map.getValue] function, for\n
example when properties are delegated to the map.\n * When this map already has an implicit default value\n
provided with a former call to [withDefault], it is being replaced by this call.\n */\npublic fun <K, V> Map<K,\n
V>.withDefault(defaultValue: (key: K) -> V): Map<K, V> =\n    when (this) {\n        is MapWithDefault ->\n
this.map.withDefault(defaultValue)\n        else -> MapWithDefaultImpl(this, defaultValue)\n    }\n\n/**\n * Returns\n
a wrapper of this mutable map, having the implicit default value provided with the specified function\n
[defaultValue].\n * This implicit default value is used when the original map doesn't contain a value for the key\n
specified\n * and a value is obtained with [Map.getValue] function, for example when properties are delegated to the\n
map.\n * When this map already has an implicit default value provided with a former call to [withDefault], it is\n
being replaced by this call.\n */\n@kotlin.jvm.JvmName("\nwithDefaultMutable")\npublic fun <K, V>\n
MutableMap<K, V>.withDefault(defaultValue: (key: K) -> V): MutableMap<K, V> =\n    when (this) {\n        is\n
MutableMapWithDefault -> this.map.withDefault(defaultValue)\n        else -> MutableMapWithDefaultImpl(this,\n
defaultValue)\n    }\n\nprivate interface MapWithDefault<K, out V> : Map<K, V> {\n    public val map: Map<K,\n
V>\n    public fun getOrImplicitDefault(key: K): V\n}\n\nprivate interface MutableMapWithDefault<K, V> :\n
MutableMap<K, V>, MapWithDefault<K, V> {\n    public override val map: MutableMap<K, V>\n}\n\nprivate\n
class MapWithDefaultImpl<K, out V>(public override val map: Map<K, V>, private val default: (key: K) -> V) :\n
MapWithDefault<K, V> {\n    override fun equals(other: Any?): Boolean = map.equals(other)\n    override fun\n
hashCode(): Int = map.hashCode()\n    override fun toString(): String = map.toString()\n    override val size: Int get()\n
= map.size\n    override fun isEmpty(): Boolean = map.isEmpty()\n    override fun containsKey(key: K): Boolean =\n
map.containsKey(key)\n    override fun containsValue(value: @UnsafeVariance V): Boolean =\n
map.containsValue(value)\n    override fun get(key: K): V? = map.get(key)\n    override val keys: Set<K> get() =\n
map.keys\n    override val values: Collection<V> get() = map.values\n    override val entries: Set<Map.Entry<K,\n
V>> get() = map.entries\n    override fun getOrImplicitDefault(key: K): V = map.getOrElseNullable(key, {\n
default(key) })\n}\n\nprivate class MutableMapWithDefaultImpl<K, V>(public override val map: MutableMap<K,\n
V>, private val default: (key: K) -> V) : MutableMapWithDefault<K, V> {\n    override fun equals(other: Any?):\n
Boolean = map.equals(other)\n    override fun hashCode(): Int = map.hashCode()\n    override fun toString(): String\n
= map.toString()\n    override val size: Int get() = map.size\n    override fun isEmpty(): Boolean = map.isEmpty()\n
override fun containsKey(key: K): Boolean = map.containsKey(key)\n    override fun containsValue(value:\n
@UnsafeVariance V): Boolean = map.containsValue(value)\n    override fun get(key: K): V? = map.get(key)\n
override val keys: MutableSet<K> get() = map.keys\n    override val values: MutableCollection<V> get() =\n
map.values\n    override val entries: MutableSet<MutableMap.MutableEntry<K, V>> get() = map.entries\n\n
override fun put(key: K, value: V): V? = map.put(key, value)\n    override fun remove(key: K): V? =\n
map.remove(key)\n    override fun putAll(from: Map<out K, V>) = map.putAll(from)\n    override fun clear() =\n
map.clear()\n}\n\n    override fun getOrImplicitDefault(key: K): V = map.getOrElseNullable(key, { default(key)\n
})\n}\n\n", "*/\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of\n
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("\nCollectionsKt")\n\npackage\n
kotlin.collections\n\nimport kotlin.random.Random\n\n/**\n * Removes a single instance of the specified element\n
from this\n * collection, if it is present.\n * Allows to overcome type-safety restriction of `remove` that requires\n
to pass an element of type `E`.\n * @return `true` if the element has been successfully removed; `false` if it was\n
not present in the collection.\n */\n@kotlin.internal.InlineOnly\npublic inline fun <@kotlin.internal.OnlyInputTypes\n
T> MutableCollection<out T>.remove(element: T): Boolean =\n    @Suppress("\nUNCHECKED_CAST") (this as

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MutableCollection<T>.remove(element)\n\n/**\n * Removes all of this collection's elements that are also
contained in the specified collection.\n\n * Allows to overcome type-safety restriction of `removeAll` that requires
to pass a collection of type `Collection<E>`. \n\n * @return `true` if any of the specified elements was removed
from the collection, `false` if the collection was not modified.\n\n */\n@kotlin.internal.InlineOnly\npublic inline fun
<@kotlin.internal.OnlyInputTypes T> MutableCollection<out T>.removeAll(elements: Collection<T>): Boolean =\n\n @Suppress("UNCHECKED_CAST") (this as MutableCollection<T>).removeAll(elements)\n\n/**\n *
Retains only the elements in this collection that are contained in the specified collection.\n\n * Allows to
overcome type-safety restriction of `retainAll` that requires to pass a collection of type `Collection<E>`. \n\n *
@return `true` if any element was removed from the collection, `false` if the collection was not modified.\n\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun <@kotlin.internal.OnlyInputTypes T> MutableCollection<out
T>.retainAll(elements: Collection<T>): Boolean =\n\n @Suppress("UNCHECKED_CAST") (this as
MutableCollection<T>).retainAll(elements)\n\n/**\n * Adds the specified [element] to this mutable collection.\n\n
*/\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in T>.plusAssign(element: T)
{\n    this.add(element)\n}\n\n/**\n * Adds all elements of the given [elements] collection to this mutable
collection.\n\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in
T>.plusAssign(elements: Iterable<T>) {\n    this.addAll(elements)\n}\n\n/**\n * Adds all elements of the given
[elements] array to this mutable collection.\n\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T>
MutableCollection<in T>.plusAssign(elements: Array<T>) {\n    this.addAll(elements)\n}\n\n/**\n * Adds all
elements of the given [elements] sequence to this mutable collection.\n\n */\n@kotlin.internal.InlineOnly\npublic
inline operator fun <T> MutableCollection<in T>.plusAssign(elements: Sequence<T>) {\n
    this.addAll(elements)\n}\n\n/**\n * Removes a single instance of the specified [element] from this mutable
collection.\n\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in
T>.minusAssign(element: T) {\n    this.remove(element)\n}\n\n/**\n * Removes all elements contained in the given
[elements] collection from this mutable collection.\n\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun
<T> MutableCollection<in T>.minusAssign(elements: Iterable<T>) {\n    this.removeAll(elements)\n}\n\n/**\n *
Removes all elements contained in the given [elements] array from this mutable collection.\n\n
*/\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in T>.minusAssign(elements:
Array<T>) {\n    this.removeAll(elements)\n}\n\n/**\n * Removes all elements contained in the given [elements]
sequence from this mutable collection.\n\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T>
MutableCollection<in T>.minusAssign(elements: Sequence<T>) {\n    this.removeAll(elements)\n}\n\n/**\n * Adds
all elements of the given [elements] collection to this [MutableCollection].\n\n */\npublic fun <T>
MutableCollection<in T>.addAll(elements: Iterable<T>): Boolean {\n    when (elements) {\n        is Collection ->
return addAll(elements)\n        else -> {\n            var result: Boolean = false\n            for (item in elements)\n
if (add(item)) result = true\n            return result\n        }\n    }\n}\n\n/**\n * Adds all elements of the given
[elements] sequence to this [MutableCollection].\n\n */\npublic fun <T> MutableCollection<in T>.addAll(elements:
Sequence<T>): Boolean {\n    var result: Boolean = false\n    for (item in elements) {\n        if (add(item)) result =
true\n    }\n    return result\n}\n\n/**\n * Adds all elements of the given [elements] array to this
[MutableCollection].\n\n */\npublic fun <T> MutableCollection<in T>.addAll(elements: Array<out T>): Boolean {\n
return addAll(elements.asList())\n}\n\n/**\n * Removes all elements from this [MutableCollection] that are also
contained in the given [elements] collection.\n\n */\npublic fun <T> MutableCollection<in T>.removeAll(elements:
Iterable<T>): Boolean {\n    return removeAll(elements.convertToSetForSetOperationWith(this))\n}\n\n/**\n *
Removes all elements from this [MutableCollection] that are also contained in the given [elements] sequence.\n\n
*/\npublic fun <T> MutableCollection<in T>.removeAll(elements: Sequence<T>): Boolean {\n    val set =
elements.convertToSetForSetOperation()\n    return set.isNotEmpty() && removeAll(set)\n}\n\n/**\n * Removes all
elements from this [MutableCollection] that are also contained in the given [elements] array.\n\n */\npublic fun <T>
MutableCollection<in T>.removeAll(elements: Array<out T>): Boolean {\n    return elements.isNotEmpty() &&
removeAll(elements.convertToSetForSetOperation())\n}\n\n/**\n * Retains only elements of this
[MutableCollection] that are contained in the given [elements] collection.\n\n */\npublic fun <T>

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MutableCollection<in T>.retainAll(elements: Iterable<T>): Boolean {
    return retainAll(elements.convertToSetForSetOperationWith(this))
}
/**
 * Retains only elements of this [MutableCollection] that are contained in the given [elements] array.
 */
public fun <T> MutableCollection<in T>.retainAll(elements: Array<out T>): Boolean {
    if (elements.isNotEmpty())
        return retainAll(elements.convertToSetForSetOperation())
    else
        return retainNothing()
}
/**
 * Retains only elements of this [MutableCollection] that are contained in the given [elements] sequence.
 */
public fun <T> MutableCollection<in T>.retainAll(elements: Sequence<T>): Boolean {
    val set = elements.convertToSetForSetOperation()
    if (set.isNotEmpty())
        return retainAll(set)
    else
        return retainNothing()
}

private fun MutableCollection<*>.retainNothing(): Boolean {
    val result = isEmpty()
    clear()
    return result
}
/**
 * Removes all elements from this [MutableIterable] that match the given [predicate].
 * @return `true` if any element was removed from this collection, or `false` when no elements were removed and collection was not modified.
 */
public fun <T> MutableIterable<T>.removeAll(predicate: (T) -> Boolean): Boolean = filterInPlace(predicate, true)
/**
 * Retains only elements of this [MutableIterable] that match the given [predicate].
 * @return `true` if any element was removed from this collection, or `false` when all elements were retained and collection was not modified.
 */
public fun <T> MutableIterable<T>.retainAll(predicate: (T) -> Boolean): Boolean = filterInPlace(predicate, false)

private fun <T> MutableIterable<T>.filterInPlace(predicate: (T) -> Boolean, predicateResultToRemove: Boolean): Boolean {
    var result = false
    with(iterator()) {
        while (hasNext())
            if (predicate(next()) == predicateResultToRemove)
                remove()
                result = true
    }
    return result
}
/**
 * Removes the element at the specified [index] from this list.
 * In Kotlin one should use the [MutableList.removeAt] function instead.
 * @Deprecated("Use removeAt(index) instead.")
 */
ReplaceWith("removeAt(index)", level = DeprecationLevel.ERROR)
public inline fun <T> MutableList<T>.remove(index: Int): T = removeAt(index)
/**
 * Removes the first element from this mutable list and returns that removed element, or throws [NoSuchElementException] if this list is empty.
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
public fun <T> MutableList<T>.removeFirst(): T = if (isEmpty()) throw NoSuchElementException("List is empty.") else removeAt(0)
/**
 * Removes the first element from this mutable list and returns that removed element, or returns `null` if this list is empty.
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
public fun <T> MutableList<T>.removeFirstOrNull(): T? = if (isEmpty()) null else removeAt(0)
/**
 * Removes the last element from this mutable list and returns that removed element, or throws [NoSuchElementException] if this list is empty.
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
public fun <T> MutableList<T>.removeLast(): T = if (isEmpty()) throw NoSuchElementException("List is empty.") else removeAt(lastIndex)
/**
 * Removes the last element from this mutable list and returns that removed element, or returns `null` if this list is empty.
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
public fun <T> MutableList<T>.removeLastOrNull(): T? = if (isEmpty()) null else removeAt(lastIndex)
/**
 * Removes all elements from this [MutableList] that match the given [predicate].
 * @return `true` if any element was removed from this collection, or `false` when no elements were removed and collection was not modified.
 */
public fun <T> MutableList<T>.removeAll(predicate: (T) -> Boolean): Boolean = filterInPlace(predicate, true)
/**
 * Retains only elements of this [MutableList] that match the given [predicate].
 * @return `true` if any element was removed from this collection, or `false` when all elements were retained and collection was not modified.
 */
public fun <T> MutableList<T>.retainAll(predicate: (T) -> Boolean): Boolean = filterInPlace(predicate, false)

private fun <T> MutableList<T>.filterInPlace(predicate: (T) -> Boolean, predicateResultToRemove: Boolean): Boolean {
    if (this !is RandomAccess)
        return (this as MutableIterable<T>).filterInPlace(predicate, predicateResultToRemove)
    var writeIndex: Int = 0
    for (readIndex in 0..lastIndex) {
        val element = this[readIndex]
        if (predicate(element) == predicateResultToRemove)
            continue
        if (writeIndex != readIndex)
            this[writeIndex] =

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element\n\n    writeIndex++\n    }\n    if (writeIndex < size) {\n        for (removeIndex in lastIndex downTo
writeIndex)\n            removeAt(removeIndex)\n            return true\n    } else {\n        return false\n    }\n}\n"/*\n *
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governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("CollectionsKt")\n\npackage
kotlin.collections\n\nprivate open class ReversedListReadOnly<out T>(private val delegate: List<T>) :
AbstractList<T>() {\n    override val size: Int get() = delegate.size\n    override fun get(index: Int): T =
delegate[reverseElementIndex(index)]\n}\n\nprivate class ReversedList<T>(private val delegate: MutableList<T>) :
AbstractMutableList<T>() {\n    override val size: Int get() = delegate.size\n    override fun get(index: Int): T =
delegate[reverseElementIndex(index)]\n\n    override fun clear() = delegate.clear()\n    override fun removeAt(index:
Int): T = delegate.removeAt(reverseElementIndex(index))\n\n    override fun set(index: Int, element: T): T =
delegate.set(reverseElementIndex(index), element)\n    override fun add(index: Int, element: T) {\n
delegate.add(reversePositionIndex(index), element)\n    }\n}\n\nprivate fun List<*>.reverseElementIndex(index:
Int) =\n    if (index in 0..lastIndex) lastIndex - index else throw IndexOutOfBoundsException("Element index
$index must be in range [0..lastIndex].")\n\nprivate fun List<*>.reversePositionIndex(index: Int) =\n    if (index
in 0..size) size - index else throw IndexOutOfBoundsException("Position index $index must be in range
[0..size].")\n\n"/*\n * Returns a reversed read-only view of the original List.\n * All changes made in the
original list will be reflected in the reversed one.\n * @sample samples.collections.ReversedViews.asReversedList\n
*/\n\npublic fun <T> List<T>.asReversed(): List<T> = ReversedListReadOnly(this)\n\n"/*\n * Returns a reversed
mutable view of the original mutable List.\n * All changes made in the original list will be reflected in the reversed
one and vice versa.\n * @sample samples.collections.ReversedViews.asReversedMutableList\n
*/\n\n@kotlin.jvm.JvmName("asReversedMutable")\n\npublic fun <T> MutableList<T>.asReversed():
MutableList<T> = ReversedList(this)\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("SequencesKt")\n@file:OptIn(Experimenta
lTypeInference::class)\n\npackage kotlin.sequences\n\nimport kotlin.coroutines.*\nimport
kotlin.coroutines.intrinsics.*\nimport kotlin.experimental.ExperimentalTypeInference\n\n"/*\n * Builds a
[Sequence] lazily yielding values one by one.\n * @see kotlin.sequences.generateSequence\n * @sample
samples.collections.Sequences.Building.buildSequenceYieldAll\n * @sample
samples.collections.Sequences.Building.buildFibonacciSequence\n
*/\n\n@SinceKotlin("1.3")\n\npublic fun <T>
sequence(@BuilderInference block: suspend SequenceScope<T>().() -> Unit): Sequence<T> = Sequence {
    iterator(block) }\n\n@SinceKotlin("1.3")\n\n@Deprecated("Use 'sequence { }' function instead.",
ReplaceWith("sequence(builderAction)"), level =
DeprecationLevel.ERROR)\n\n@kotlin.internal.InlineOnly\n\npublic inline fun <T> buildSequence(@BuilderInference
noinline builderAction: suspend SequenceScope<T>().() -> Unit): Sequence<T> = Sequence { iterator(builderAction)
}\n\n"/*\n * Builds an [Iterator] lazily yielding values one by one.\n * @sample
samples.collections.Sequences.Building.buildIterator\n * @sample samples.collections.Iterables.Building.iterable\n
*/\n\n@SinceKotlin("1.3")\n\npublic fun <T> iterator(@BuilderInference block: suspend SequenceScope<T>().() ->
Unit): Iterator<T> {\n    val iterator = SequenceBuilderIterator<T>()\n    iterator.nextStep =
block.createCoroutineUnintercepted(receiver = iterator, completion = iterator)\n    return
iterator\n}\n\n@SinceKotlin("1.3")\n\n@Deprecated("Use 'iterator { }' function instead.",
ReplaceWith("iterator(builderAction)"), level = DeprecationLevel.ERROR)\n\n@kotlin.internal.InlineOnly\n\npublic
inline fun <T> buildIterator(@BuilderInference noinline builderAction: suspend SequenceScope<T>().() -> Unit):
Iterator<T> = iterator(builderAction)\n\n"/*\n * The scope for yielding values of a [Sequence] or an [Iterator],
provides [yield] and [yieldAll] suspension functions.\n * @see sequence\n * @see iterator\n * @sample
samples.collections.Sequences.Building.buildSequenceYieldAll\n * @sample
samples.collections.Sequences.Building.buildFibonacciSequence\n

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*@\n@RestrictsSuspension\n@SinceKotlin("1.3")\npublic abstract class SequenceScope<in T> internal
constructor() {\n /**\n * Yields a value to the [Iterator] being built and suspends\n * until the next value is
requested.\n *\n * @sample samples.collections.Sequences.Building.buildSequenceYieldAll\n * @sample
samples.collections.Sequences.Building.buildFibonacciSequence\n */\n public abstract suspend fun yield(value:
T)\n\n /**\n * Yields all values from the `iterator` to the [Iterator] being built\n * and suspends until all these
values are iterated and the next one is requested.\n *\n * The sequence of values returned by the given iterator
can be potentially infinite.\n *\n * @sample samples.collections.Sequences.Building.buildSequenceYieldAll\n
*/\n public abstract suspend fun yieldAll(iterator: Iterator<T>)\n\n /**\n * Yields a collections of values to
the [Iterator] being built\n * and suspends until all these values are iterated and the next one is requested.\n
*\n * @sample samples.collections.Sequences.Building.buildSequenceYieldAll\n */\n public suspend fun
yieldAll(elements: Iterable<T>) {\n if (elements is Collection && elements.isEmpty()) return\n return
yieldAll(elements.iterator())\n }\n\n /**\n * Yields potentially infinite sequence of values to the [Iterator]
being built\n * and suspends until all these values are iterated and the next one is requested.\n *\n * The
sequence can be potentially infinite.\n *\n * @sample
samples.collections.Sequences.Building.buildSequenceYieldAll\n */\n public suspend fun yieldAll(sequence:
Sequence<T>) = yieldAll(sequence.iterator())\n\n\n@Deprecated("Use SequenceScope class instead.",
ReplaceWith("SequenceScope<T>"), level = DeprecationLevel.ERROR)\npublic typealias SequenceBuilder<T> =
SequenceScope<T>\n\nprivate typealias State = Int\n\nprivate const val State_NotReady: State = 0\nprivate const
val State_ManyNotReady: State = 1\nprivate const val State_ManyReady: State = 2\nprivate const val State_Ready:
State = 3\nprivate const val State_Done: State = 4\nprivate const val State_Failed: State = 5\n\nprivate class
SequenceBuilderIterator<T> : SequenceScope<T>(), Iterator<T>, Continuation<Unit> {\n private var state =
State_NotReady\n private var nextValue: T? = null\n private var nextIterator: Iterator<T>? = null\n var
nextStep: Continuation<Unit>? = null\n\n override fun hasNext(): Boolean {\n while (true) {\n when
(state) {\n State_NotReady -> {\n State_ManyNotReady ->\n if
(nextIterator!!.hasNext()) {\n state = State_ManyReady\n return true\n }
else {\n nextIterator = null\n } State_Done -> return false\n
State_Ready, State_ManyReady -> return true\n else -> throw exceptionalState()\n }\n\n state
= State_Failed\n val step = nextStep!!\n nextStep = null\n step.resume(Unit)\n }\n }\n\n
override fun next(): T {\n when (state) {\n State_NotReady, State_ManyNotReady -> return
nextNotReady()\n State_ManyReady -> {\n state = State_ManyNotReady\n return
nextIterator!!.next()\n } State_Ready -> {\n state = State_NotReady\n
@Suppress("UNCHECKED_CAST")\n val result = nextValue as T\n nextValue = null\n
return result\n } else -> throw exceptionalState()\n }\n }\n\n private fun nextNotReady(): T
{\n if (!hasNext()) throw NoSuchElementException() else return next()\n }\n\n private fun
exceptionalState(): Throwable = when (state) {\n State_Done -> NoSuchElementException()\n State_Failed
-> IllegalStateException("Iterator has failed.")\n else -> IllegalStateException("Unexpected state of the
iterator: $state")\n }\n\n\n override suspend fun yield(value: T) {\n nextValue = value\n state =
State_Ready\n return suspendCoroutineUninterceptedOrReturn { c ->\n nextStep = c\n
COROUTINE_SUSPENDED\n }\n }\n\n override suspend fun yieldAll(iterator: Iterator<T>) {\n if
(!iterator.hasNext()) return\n nextIterator = iterator\n state = State_ManyReady\n return
suspendCoroutineUninterceptedOrReturn { c ->\n nextStep = c\n COROUTINE_SUSPENDED\n
}\n }\n\n // Completion continuation implementation\n override fun resumeWith(result: Result<Unit>) {\n
result.getOrThrow() // just rethrow exception if it is there\n state = State_Done\n }\n\n override val context:
CoroutineContext\n get() = EmptyCoroutineContext\n}\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.collections\n\ninternal fun
checkWindowSizeStep(size: Int, step: Int) {\n require(size > 0 && step > 0) {\n if (size != step)\n "Both size $size and step $step must be greater than zero."
else\n "size $size must be greater than

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zero.\n }n}\n\ninternal fun <T> Sequence<T>.windowedSequence(size: Int, step: Int, partialWindows: Boolean,
reuseBuffer: Boolean): Sequence<List<T>> {\n checkWindowSizeStep(size, step)\n return Sequence {
windowedIterator(iterator(), size, step, partialWindows, reuseBuffer) }n}\n\ninternal fun <T>
windowedIterator(iterator: Iterator<T>, size: Int, step: Int, partialWindows: Boolean, reuseBuffer: Boolean):
Iterator<List<T>> {\n if (!iterator.hasNext()) return EmptyIterator\n return iterator<List<T>> {\n val
bufferInitialCapacity = size.coerceAtMost(1024)\n val gap = step - size\n if (gap >= 0) {\n var buffer
= ArrayList<T>(bufferInitialCapacity)\n var skip = 0\n for (e in iterator) {\n if (skip > 0) {\
skip -= 1; continue }\n buffer.add(e)\n if (buffer.size == size) {\n yield(buffer)\n
if (reuseBuffer) buffer.clear() else buffer = ArrayList(size)\n skip = gap\n }\n }\n
if (buffer.isNotEmpty()) {\n if (partialWindows || buffer.size == size) yield(buffer)\n }\n }
else {\n var buffer = RingBuffer<T>(bufferInitialCapacity)\n for (e in iterator) {\n
buffer.add(e)\n if (buffer.isFull()) {\n if (buffer.size < size) { buffer =
buffer.expanded(maxCapacity = size); continue }\n\n yield(if (reuseBuffer) buffer else
ArrayList(buffer))\n buffer.removeFirst(step)\n }\n }\n if (partialWindows) {\n
while (buffer.size > step) {\n yield(if (reuseBuffer) buffer else ArrayList(buffer))\n
buffer.removeFirst(step)\n }\n if (buffer.isNotEmpty()) yield(buffer)\n }\n }\n
}\n}\n\ninternal class MovingSubList<out E>(private val list: List<E>) : AbstractList<E>(), RandomAccess {\n
private var fromIndex: Int = 0\n private var _size: Int = 0\n fun move(fromIndex: Int, toIndex: Int) {\n
checkRangeIndexes(fromIndex, toIndex, list.size)\n this.fromIndex = fromIndex\n this._size = toIndex -
fromIndex\n }\n\n override fun get(index: Int): E {\n checkElementIndex(index, _size)\n\n return
list[fromIndex + index]\n }\n\n override val size: Int get() = _size\n}\n\n/**\n * Provides ring buffer
implementation.\n * Buffer overflow is not allowed so [add] doesn't overwrite tail but raises an exception.\n
*\nprivate class RingBuffer<T>(private val buffer: Array<Any?>, filledSize: Int) : AbstractList<T>(),
RandomAccess {\n init {\n require(filledSize >= 0) {\n "ring buffer filled size should not be negative but it is
$filledSize" }\n require(filledSize <= buffer.size) {\n "ring buffer filled size: $filledSize cannot be larger than
the buffer size: ${buffer.size}" }\n }\n\n constructor(capacity: Int) : this(arrayOfNulls<Any?>(capacity), 0)\n\n
private val capacity = buffer.size\n private var startIndex: Int = 0\n override var size: Int = filledSize\n
private set\n\n override fun get(index: Int): T {\n checkElementIndex(index, size)\n
@Suppress("UNCHECKED_CAST")\n return buffer[startIndex.forward(index)] as T\n }\n\n fun isFull() =
size == capacity\n\n override fun iterator(): Iterator<T> = object : AbstractIterator<T>() {\n private var count
= size\n private var index = startIndex\n\n override fun computeNext() {\n if (count == 0) {\n
done()\n } else {\n @Suppress("UNCHECKED_CAST")\n setNext(buffer[index] as
T)\n index = index.forward(1)\n count--\n }\n }\n }\n\n @Suppress("UNCHECKED_CAST")\n override fun <T> toArray(array: Array<T>): Array<T> {\n val
result: Array<T?> =\n if (array.size < this.size) array.copyOf(this.size) else array as Array<T?>\n\n val
size = this.size\n\n var widx = 0\n var idx = startIndex\n\n while (widx < size && idx < capacity) {\n
result[widx] = buffer[idx] as T\n widx++\n idx++\n }\n\n idx = 0\n while (widx <
size) {\n result[widx] = buffer[idx] as T\n widx++\n idx++\n }\n\n if (result.size >
this.size) result[this.size] = null\n\n return result as Array<T>\n }\n\n override fun toArray(): Array<Any?>
{\n return toArray(arrayOfNulls(size))\n }\n\n /**\n * Creates a new ring buffer with the capacity equal to
the minimum of [maxCapacity] and 1.5 * [capacity].\n * The returned ring buffer contains the same elements as
this ring buffer.\n *\n fun expanded(maxCapacity: Int): RingBuffer<T> {\n val newCapacity = (capacity +
(capacity shr 1) + 1).coerceAtMost(maxCapacity)\n val newBuffer = if (startIndex == 0)
buffer.copyOf(newCapacity) else toArray(arrayOfNulls(newCapacity))\n return RingBuffer(newBuffer, size)\n
}\n\n /**\n * Add [element] to the buffer or fail with [IllegalStateException] if no free space available in the
buffer\n *\n fun add(element: T) {\n if (isFull()) {\n throw IllegalStateException("ring buffer is
full")\n }\n\n buffer[startIndex.forward(size)] = element\n size++\n }\n\n /**\n * Removes [n]
first elements from the buffer or fails with [IllegalArgumentException] if not enough elements in the buffer to

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remove\n    */\n    fun removeFirst(n: Int) {\n        require(n >= 0) { \"n shouldn't be negative but it is $n\" }\n        require(n <= size) { \"n shouldn't be greater than the buffer size: n = $n, size = $size\" }\n        if (n > 0) {\n            val start = startIndex\n            val end = start.forward(n)\n            if (start > end) {\n                buffer.fill(null, start, capacity)\n                buffer.fill(null, 0, end)\n            } else {\n                buffer.fill(null, start, end)\n            }\n            startIndex = end\n            size -= n\n        }\n    }\n\n    @Suppress(\"NOTHING_TO_INLINE\")\n    private inline fun Int.forward(n: Int): Int = (this + n) % capacity\n}\n\n/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.collections\n\n// UByteArray\n\n=====\n\n@ExperimentalUnsignedTypes\nprivate fun partition(\n    array: UByteArray, left: Int, right: Int): Int {\n    var i = left\n    var j = right\n    val pivot = array[(left + right) / 2]\n    while (i <= j) {\n        while (array[i] < pivot)\n            i++\n        while (array[j] > pivot)\n            j--\n        if (i <= j) {\n            val tmp = array[i]\n            array[i] = array[j]\n            array[j] = tmp\n            i++\n            j--\n        }\n    }\n    return i\n}\n\n@ExperimentalUnsignedTypes\nprivate fun quickSort(\n    array: UByteArray, left: Int, right: Int) {\n    val index = partition(array, left, right)\n    if (left < index - 1)\n        quickSort(array, left, index - 1)\n    if (index < right)\n        quickSort(array, index, right)\n}\n\n// UShortArray\n\n=====\n\n@ExperimentalUnsignedTypes\nprivate fun partition(\n    array: UShortArray, left: Int, right: Int): Int {\n    var i = left\n    var j = right\n    val pivot = array[(left + right) / 2]\n    while (i <= j) {\n        while (array[i] < pivot)\n            i++\n        while (array[j] > pivot)\n            j--\n        if (i <= j) {\n            val tmp = array[i]\n            array[i] = array[j]\n            array[j] = tmp\n            i++\n            j--\n        }\n    }\n    return i\n}\n\n@ExperimentalUnsignedTypes\nprivate fun quickSort(\n    array: UShortArray, left: Int, right: Int) {\n    val index = partition(array, left, right)\n    if (left < index - 1)\n        quickSort(array, left, index - 1)\n    if (index < right)\n        quickSort(array, index, right)\n}\n\n// UIntArray\n\n=====\n\n@ExperimentalUnsignedTypes\nprivate fun partition(\n    array: UIntArray, left: Int, right: Int): Int {\n    var i = left\n    var j = right\n    val pivot = array[(left + right) / 2]\n    while (i <= j) {\n        while (array[i] < pivot)\n            i++\n        while (array[j] > pivot)\n            j--\n        if (i <= j) {\n            val tmp = array[i]\n            array[i] = array[j]\n            array[j] = tmp\n            i++\n            j--\n        }\n    }\n    return i\n}\n\n@ExperimentalUnsignedTypes\nprivate fun quickSort(\n    array: UIntArray, left: Int, right: Int) {\n    val index = partition(array, left, right)\n    if (left < index - 1)\n        quickSort(array, left, index - 1)\n    if (index < right)\n        quickSort(array, index, right)\n}\n\n// ULongArray\n\n=====\n\n@ExperimentalUnsignedTypes\nprivate fun partition(\n    array: ULongArray, left: Int, right: Int): Int {\n    var i = left\n    var j = right\n    val pivot = array[(left + right) / 2]\n    while (i <= j) {\n        while (array[i] < pivot)\n            i++\n        while (array[j] > pivot)\n            j--\n        if (i <= j) {\n            val tmp = array[i]\n            array[i] = array[j]\n            array[j] = tmp\n            i++\n            j--\n        }\n    }\n    return i\n}\n\n@ExperimentalUnsignedTypes\nprivate fun quickSort(\n    array: ULongArray, left: Int, right: Int) {\n    val index = partition(array, left, right)\n    if (left < index - 1)\n        quickSort(array, left, index - 1)\n    if (index < right)\n        quickSort(array, index, right)\n}\n\nInterfaces\n\n=====\n\n/*\n * Sorts the given array using qsort algorithm.\n */\n\n@ExperimentalUnsignedTypes\ninternal fun sortArray(array: UByteArray, fromIndex: Int, toIndex: Int) = quickSort(array, fromIndex, toIndex - 1)\n\n@ExperimentalUnsignedTypes\ninternal fun sortArray(array: UShortArray, fromIndex: Int, toIndex: Int) = quickSort(array, fromIndex, toIndex - 1)\n\n@ExperimentalUnsignedTypes\ninternal fun sortArray(array: UIntArray, fromIndex: Int, toIndex: Int) = quickSort(array, fromIndex, toIndex - 1)\n\n@ExperimentalUnsignedTypes\ninternal fun sortArray(array: ULongArray, fromIndex: Int, toIndex: Int) = quickSort(array, fromIndex, toIndex - 1)\n\n/*\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin Programming

```



```

samples.contracts.callsInPlaceExactlyOnceContract\n @ContractsDsl EXACTLY_ONCE,\n\n /**\n * A
function parameter is called in place, but it's unknown how many times it can be called.\n *\n */\n // @sample
samples.contracts.callsInPlaceUnknownContract\n @ContractsDsl UNKNOWN\n}\n\n/**\n * Specifies the
contract of a function.\n *\n * The contract description must be at the beginning of a function and have at least one
effect.\n *\n * Only the top-level functions can have a contract for now.\n *\n * @param builder the lambda where
the contract of a function is described with the help of the [ContractBuilder] members.\n *\n */\n @sample
samples.contracts.returnsContract\n* @sample samples.contracts.returnsTrueContract\n* @sample
samples.contracts.returnsFalseContract\n* @sample samples.contracts.returnsNullContract\n* @sample
samples.contracts.returnsNotNullContract\n* @sample samples.contracts.callsInPlaceAtMostOnceContract\n*
@sample samples.contracts.callsInPlaceAtLeastOnceContract\n* @sample
samples.contracts.callsInPlaceExactlyOnceContract\n* @sample
samples.contracts.callsInPlaceUnknownContract\n*/\n\n@ContractsDsl\n\n@ExperimentalContracts\n\n@InlineOnly\n\n@
SinceKotlin("1.3")\n\n@Suppress("UNUSED_PARAMETER")\n\npublic inline fun contract(builder:
ContractBuilder.() -> Unit) { }\n\n","/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.coroutines\n\n\n/**\n * Marks coroutine context element that
intercepts coroutine continuations.\n * The coroutines framework uses [ContinuationInterceptor.Key] to retrieve the
interceptor and\n * intercepts all coroutine continuations with [interceptContinuation] invocations.\n *\n *
[ContinuationInterceptor] behaves like a [polymorphic element][AbstractCoroutineContextKey], meaning that\n *
its implementation delegates [get][CoroutineContext.Element.get] and
[minusKey][CoroutineContext.Element.minusKey]\n * to [getPolymorphicElement] and [minusPolymorphicKey]
respectively.\n * [ContinuationInterceptor] subtypes can be extracted from the coroutine context using either
[ContinuationInterceptor.Key]\n * or subtype key if it extends [AbstractCoroutineContextKey].\n\n
*/\n\n@SinceKotlin("1.3")\n\npublic interface ContinuationInterceptor : CoroutineContext.Element {\n\n /**\n *
The key that defines *the* context interceptor.\n *\n * companion object Key :
CoroutineContext.Key<ContinuationInterceptor>\n\n /**\n * Returns continuation that wraps the original
[continuation], thus intercepting all resumptions.\n * This function is invoked by coroutines framework when
needed and the resulting continuations are\n * cached internally per each instance of the original [continuation].\n\n
*\n * This function may simply return original [continuation] if it does not want to intercept this particular
continuation.\n *\n * When the original [continuation] completes, coroutine framework invokes
[releaseInterceptedContinuation]\n * with the resulting continuation if it was intercepted, that is if
`interceptContinuation` had previously\n * returned a different continuation instance.\n */\n\n public fun <T>
interceptContinuation(continuation: Continuation<T>): Continuation<T>\n\n /**\n * Invoked for the
continuation instance returned by [interceptContinuation] when the original\n * continuation completes and will
not be used anymore. This function is invoked only if [interceptContinuation]\n * had returned a different
continuation instance from the one it was invoked with.\n *\n * Default implementation does nothing.\n *\n\n * @param continuation Continuation instance returned by this interceptor's [interceptContinuation] invocation.\n\n
*/\n\n public fun releaseInterceptedContinuation(continuation: Continuation<*>) {\n\n /* do nothing by default
*/\n\n }\n\n\n public override operator fun <E : CoroutineContext.Element> get(key: CoroutineContext.Key<E>):
E? {\n\n // getPolymorphicKey specialized for ContinuationInterceptor key\n\n\n @OptIn(ExperimentalStdlibApi::class)\n\n if (key is AbstractCoroutineContextKey<*, *>) {\n\n\n @Suppress("UNCHECKED_CAST")\n\n return if (key.isSubKey(this.key)) key.tryCast(this) as? E else
null\n\n }\n\n\n @Suppress("UNCHECKED_CAST")\n\n return if (ContinuationInterceptor === key) this as
E else null\n\n }\n\n\n\n public override fun minusKey(key: CoroutineContext.Key<*>): CoroutineContext {\n\n\n //
minusPolymorphicKey specialized for ContinuationInterceptor key\n\n\n @OptIn(ExperimentalStdlibApi::class)\n\n if (key is AbstractCoroutineContextKey<*, *>) {\n\n\n return if
(key.isSubKey(this.key) && key.tryCast(this) != null) EmptyCoroutineContext else this\n\n }\n\n\n return if
(ContinuationInterceptor === key) EmptyCoroutineContext else this\n\n }\n\n","/*\n * Copyright 2010-2018

```

```

JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.coroutines\n\n/**\n * Persistent context for the coroutine. It is an indexed set of [Element] instances.\n * An indexed set is a mix between
a set and a map.\n * Every element in this set has a unique [Key].\n */\n\n@SinceKotlin("1.3")\npublic interface
CoroutineContext {\n    /**\n     * Returns the element with the given [key] from this context or `null`.\n     */\n    public operator fun <E : Element> get(key: Key<E>): E?\n    /**\n     * Accumulates entries of this context
starting with [initial] value and applying [operation]\n     * from left to right to current accumulator value and each
element of this context.\n     */\n    public fun <R> fold(initial: R, operation: (R, Element) -> R): R\n    /**\n     *
Returns a context containing elements from this context and elements from other [context].\n     * The elements
from this context with the same key as in the other one are dropped.\n     */\n    public operator fun plus(context:
CoroutineContext): CoroutineContext =\n        if (context === EmptyCoroutineContext) this else // fast path -- avoid
lambda creation\n        context.fold(this) { acc, element ->\n            val removed =
acc.minusKey(element.key)\n            if (removed === EmptyCoroutineContext) element else {\n                //
make sure interceptor is always last in the context (and thus is fast to get when present)\n                val interceptor
= removed[ContinuationInterceptor]\n                if (interceptor == null) CombinedContext(removed, element) else
{\n                    val left = removed.minusKey(ContinuationInterceptor)\n                    if (left ===
EmptyCoroutineContext) CombinedContext(element, interceptor) else\n                    CombinedContext(CombinedContext(left, element), interceptor)\n                }\n            }\n        }\n    /**\n     * Returns a context containing elements from this context, but without an element with\n     * the specified [key].\n     */\n    public fun minusKey(key: Key<*>): CoroutineContext\n    /**\n     * Key for the elements of
[CoroutineContext]. [E] is a type of element with this key.\n     */\n    public interface Key<E : Element>\n    /**\n     * An element of the [CoroutineContext]. An element of the coroutine context is a singleton context by itself.\n     */\n    public interface Element : CoroutineContext {\n        /**\n         * A key of this coroutine context element.\n         */\n        public val key: Key<*>\n        public override operator fun <E : Element> get(key: Key<E>): E? =\n            @Suppress("UNCHECKED_CAST")\n            if (this.key == key) this as E else null\n        public override
fun <R> fold(initial: R, operation: (R, Element) -> R): R =\n            operation(initial, this)\n        public override
fun minusKey(key: Key<*>): CoroutineContext =\n            if (this.key == key) EmptyCoroutineContext else this\n    }\n}\n", "*/\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\nimport kotlin.coroutines.CoroutineContext.Element\nimport
kotlin.coroutines.CoroutineContext.Key\n\n/**\n * Base class for [CoroutineContext.Element] implementations.\n
*/\n\n@SinceKotlin("1.3")\npublic abstract class AbstractCoroutineContextElement(public override val key:
Key<*>) : Element\n\n/**\n * Base class for [CoroutineContext.Key] associated with polymorphic
[CoroutineContext.Element] implementation.\n * Polymorphic element implementation implies delegating its
[get][Element.get] and [minusKey][Element.minusKey]\n * to [getPolymorphicElement] and
[minusPolymorphicKey] respectively.\n * Polymorphic elements can be extracted from the coroutine context
using both element key and its supertype key.\n * Example of polymorphic elements:\n * ```\n * open class
BaseElement : CoroutineContext.Element {\n *     companion object Key : CoroutineContext.Key<BaseElement>\n *
override val key: CoroutineContext.Key<*> get() = Key\n *     // It is important to use getPolymorphicKey and
minusPolymorphicKey\n *     override fun <E : CoroutineContext.Element> get(key: CoroutineContext.Key<E>):
E? = getPolymorphicElement(key)\n *     override fun minusKey(key: CoroutineContext.Key<*>):
CoroutineContext = minusPolymorphicKey(key)\n * }\n * class DerivedElement : BaseElement() {\n *     companion
object Key : AbstractCoroutineContextKey<BaseElement, DerivedElement>(BaseElement, { it as?
DerivedElement })\n * }\n * // Now it is possible to query both `BaseElement` and `DerivedElement`\n *
someContext[BaseElement] // Returns BaseElement?, non-null both for BaseElement and DerivedElement
instances\n * someContext[DerivedElement] // Returns DerivedElement?, non-null only for DerivedElement
instance\n * ```\n * @param B base class of a polymorphic element\n * @param baseKey an instance of base key\n
* @param E element type associated with the current key\n * @param safeCast a function that can safely cast

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abstract [CoroutineContext.Element] to the concrete [E] type\n *          and return the element if it is a subtype
of [E] or `null` otherwise.\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic abstract class
AbstractCoroutineContextKey<B : Element, E : B>(\n    baseKey: Key<B>,\n    private val safeCast: (element:
Element) -> E?)\n) : Key<E> {\n    private val topmostKey: Key<*> = if (baseKey is
AbstractCoroutineContextKey<*, *>) baseKey.topmostKey else baseKey\n\n    internal fun tryCast(element:
Element): E? = safeCast(element)\n    internal fun isSubKey(key: Key<*>): Boolean = key === this || topmostKey
=== key\n}\n\n/**\n * Returns the current element if it is associated with the given [key] in a polymorphic manner
or `null` otherwise.\n * This method returns non-null value if either [Element.key] is equal to the given [key] or if
the [key] is associated\n * with [Element.key] via [AbstractCoroutineContextKey].\n * See
[AbstractCoroutineContextKey] for the example of usage.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic fun <E : Element>
Element.getPolymorphicElement(key: Key<E>): E? {\n    if (key is AbstractCoroutineContextKey<*, *>) {\n
@Suppress("UNCHECKED_CAST")\n        return if (key.isSubKey(this.key)) key.tryCast(this) as? E else null\n
}\n    @Suppress("UNCHECKED_CAST")\n        return if (this.key === key) this as E else null\n}\n\n/**\n * Returns empty coroutine context if the element is associated with the given [key] in a polymorphic manner\n * or
`null` otherwise.\n * This method returns empty context if either [Element.key] is equal to the given [key] or if the
[key] is associated\n * with [Element.key] via [AbstractCoroutineContextKey].\n * See
[AbstractCoroutineContextKey] for the example of usage.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic fun Element.minusPolymorphicKey(key: Key<*>):
CoroutineContext {\n    if (key is AbstractCoroutineContextKey<*, *>) {\n        return if (key.isSubKey(this.key)
&& key.tryCast(this) != null) EmptyCoroutineContext else this\n    }\n    return if (this.key === key)
EmptyCoroutineContext else this\n}\n\n/**\n * An empty coroutine context.\n */\n@SinceKotlin("1.3")\npublic
object EmptyCoroutineContext : CoroutineContext, Serializable {\n    private const val serialVersionUID: Long =
0\n    private fun readResolve(): Any = EmptyCoroutineContext\n\n    public override fun <E : Element> get(key:
Key<E>): E? = null\n    public override fun <R> fold(initial: R, operation: (R, Element) -> R): R = initial\n    public
override fun plus(context: CoroutineContext): CoroutineContext = context\n    public override fun minusKey(key:
Key<*>): CoroutineContext = this\n    public override fun hashCode(): Int = 0\n    public override fun toString():
String = "EmptyCoroutineContext"\n}\n\n//----- internal impl ----- \n\n// this class is not
exposed, but is hidden inside implementations\n// this is a left-biased list, so that `plus` works
naturally\n@SinceKotlin("1.3")\ninternal class CombinedContext(\n    private val left: CoroutineContext,\n    private val element: Element\n) : CoroutineContext, Serializable {\n\n    override fun <E : Element> get(key:
Key<E>): E? {\n        var cur = this\n        while (true) {\n            cur.element[key]?.let { return it }\n            val next
= cur.left\n            if (next is CombinedContext) {\n                cur = next\n            } else {\n                return
next[key]\n            }\n        }\n    }\n\n    public override fun <R> fold(initial: R, operation: (R, Element) -> R): R =\n        operation(left.fold(initial, operation), element)\n\n    public override fun minusKey(key: Key<*>):
CoroutineContext {\n        element[key]?.let { return left }\n        val newLeft = left.minusKey(key)\n        return
when {\n            newLeft === left -> this\n            newLeft === EmptyCoroutineContext -> element\n            else ->
CombinedContext(newLeft, element)\n        }\n    }\n\n    private fun size(): Int {\n        var cur = this\n        var size
= 2\n        while (true) {\n            cur = cur.left as? CombinedContext ?: return size\n            size++\n        }\n    }\n\n    private fun contains(element: Element): Boolean =\n        get(element.key) == element\n\n    private fun
containsAll(context: CombinedContext): Boolean {\n        var cur = context\n        while (true) {\n            if
(!contains(cur.element)) return false\n            val next = cur.left\n            if (next is CombinedContext) {\n
cur = next\n            } else {\n                return contains(next as Element)\n            }\n        }\n    }\n\n    override fun
equals(other: Any?): Boolean =\n        this === other || other is CombinedContext && other.size() == size() &&
other.containsAll(this)\n\n    override fun hashCode(): Int = left.hashCode() + element.hashCode()\n\n    override
fun toString(): String =\n        "[" + fold("") { acc, element ->\n            if (acc.isEmpty()) element.toString() else
"$acc, $element"\n        } + "]\n\n    private fun writeReplace(): Any {\n        val n = size()\n        val elements =
arrayOfNulls<CoroutineContext>(n)\n        var index = 0\n        fold(Unit) { _, element -> elements[index++] =

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```

element }
    check(index == n)
    @Suppress("UNCHECKED_CAST")
    return Serialized(elements
as Array<CoroutineContext>)
}
private class Serialized(val elements: Array<CoroutineContext>) :
Serializable {
    companion object {
        private const val serialVersionUID: Long = 0L
    }
    private fun readResolve(): Any = elements.fold(EmptyCoroutineContext, CoroutineContext::plus)
}
}
/*
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 * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
 */
@file:kotlin.jvm.JvmName("IntrinsicsKt")
@file:kotlin.jvm.JvmMultifileClass
package
kotlin.coroutines.intrinsics
import kotlin.contracts.*
import kotlin.coroutines.*
import
kotlin.internal.InlineOnly
/**
 * Obtains the current continuation instance inside suspend functions and either
 * suspends currently running coroutine or returns result immediately without suspension.
 * If the [block] returns the special [COROUTINE_SUSPENDED] value, it means that suspend function did suspend the execution
 * and will not return any result immediately. In this case, the [Continuation] provided to the [block] shall be
 * resumed by invoking [Continuation.resumeWith] at some moment in the future when the result becomes
 * available to resume the computation. Otherwise, the return value of the [block] must have a type assignable
 * to [T] and represents the result of this suspend function. It means that the execution was not suspended and the
 * [Continuation] provided to the [block] shall not be invoked. As the result type of the [block] is declared as
 * `Any?` and cannot be correctly type-checked, its proper return type remains on the conscience of the suspend
 * function's author. Invocation of [Continuation.resumeWith] resumes coroutine directly in the invoker's
 * thread without going through the [ContinuationInterceptor] that might be present in the coroutine's
 * [CoroutineContext]. It is the invoker's responsibility to ensure that a proper invocation context is established.
 * [Continuation.intercepted] can be used to acquire the intercepted continuation. Note that it is not
 * recommended to call either [Continuation.resume] nor [Continuation.resumeWithException] functions
 * synchronously in the same stackframe where suspension function is run. Use [suspendCoroutine] as a safer way
 * to obtain current continuation instance.
 */
@SinceKotlin("1.3")
@InlineOnly
@Suppress("UNUSED_PARAMETER",
"RedundantSuspendModifier")
public suspend inline fun <T>
suspendCoroutineUninterceptedOrReturn(crossinline block: (Continuation<T>) -> Any?): T {
    contract {
        callsInPlace(block, InvocationKind.EXACTLY_ONCE)
    }
    throw NotImplementedError("Implementation of
suspendCoroutineUninterceptedOrReturn is intrinsic")
}
/**
 * This value is used as a return value of
[suspendCoroutineUninterceptedOrReturn] `block` argument to state that the execution was suspended and will
not return any result immediately.
**Note: this value should not be used in general code.
** Using it outside
of the context of `suspendCoroutineUninterceptedOrReturn` function return value (including, but not limited
to, storing this value in other properties, returning it from other functions, etc) can lead to unspecified
behavior of the code.
// It is implemented as property with getter to avoid ProGuard <clinit> problem with
multifile IntrinsicsKt class
@SinceKotlin("1.3")
public val COROUTINE_SUSPENDED: Any get() =
CoroutineSingletons.COROUTINE_SUSPENDED
// Using enum here ensures two important properties:
1. It makes SafeContinuation serializable with all kinds of serialization frameworks (since all of them natively support
enums)
2. It improves debugging experience, since you clearly see toString() value of those objects and what
package they come from
@SinceKotlin("1.3")
@PublishedApi // This class is Published API via serialized
representation of SafeContinuation, don't rename/move
internal enum class CoroutineSingletons {
COROUTINE_SUSPENDED, UNDECIDED, RESUMED
}
/*
 * Copyright 2010-2018 JetBrains s.r.o. and
Kotlin Programming Language contributors.
 * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.
 */
package kotlin.experimental
/**
 * Performs a bitwise AND
operation between the two values.
 */
@SinceKotlin("1.1")
@kotlin.internal.InlineOnly
public inline infix fun
Byte.and(other: Byte): Byte = (this.toInt() and other.toInt()).toByte()
/**
 * Performs a bitwise OR
operation between the two values.
 */
@SinceKotlin("1.1")
@kotlin.internal.InlineOnly
public inline infix fun
Byte.or(other: Byte): Byte = (this.toInt() or other.toInt()).toByte()
/**
 * Performs a bitwise XOR
operation between the two values.
 */
@SinceKotlin("1.1")
@kotlin.internal.InlineOnly
public inline infix fun

```

Byte.xor(other: Byte): Byte = (this.toInt() xor other.toInt()).toByte()\n\n\*\* Inverts the bits in this value.

\*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun Byte.inv(): Byte = (this.toInt().inv()).toByte()\n\n\*\* Performs a bitwise AND operation between the two values.

\*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline infix fun Short.and(other: Short): Short = (this.toInt() and other.toInt()).toShort()\n\n\*\* Performs a bitwise OR operation between the two values.

\*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline infix fun Short.or(other: Short): Short = (this.toInt() or other.toInt()).toShort()\n\n\*\* Performs a bitwise XOR operation between the two values.

\*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline infix fun Short.xor(other: Short): Short = (this.toInt() xor other.toInt()).toShort()\n\n\*\* Inverts the bits in this value.

\*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun Short.inv(): Short = (this.toInt().inv()).toShort()\n\n", "/\*\n \* Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n \* Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n \*\n@package kotlin.experimental\n\n\*\*\n \* The experimental marker for type inference augmenting annotations.\n \* Any usage of a declaration annotated with `@ExperimentalTypeInference` must be accepted either by\n \* annotating that usage with the [OptIn] annotation, e.g. `@OptIn(ExperimentalTypeInference::class)`,\n \* or by using the compiler argument `-opt-in=kotlin.experimental.ExperimentalTypeInference`.\n \*\n@RequiresOptIn(level = RequiresOptIn.Level.ERROR)\n@MustBeDocumented\n@Retention(AnnotationRetention.BINARY)\n@Target(AnnotationTarget.ANNOTATION\_CLASS)\n@SinceKotlin("1.3")\npublic annotation class ExperimentalTypeInference\n", "/\*\n \* Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n \* Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n \*\n@package kotlin.internal\n\n\*\*\n \* Specifies that the corresponding type should be ignored during type inference.\n\n\*\n@Target(AnnotationTarget.TYPE)\n@Retention(AnnotationRetention.BINARY)\ninternal annotation class NoInfer\n\n\*\*\n \* Specifies that the constraint built for the type during type inference should be an equality one.\n\n\*\n@Target(AnnotationTarget.TYPE)\n@Retention(AnnotationRetention.BINARY)\ninternal annotation class Exact\n\n\*\*\n \* Specifies that a corresponding member has the lowest priority in overload resolution.\n\n\*\n@Target(AnnotationTarget.FUNCTION, AnnotationTarget.PROPERTY, AnnotationTarget.CONSTRUCTOR)\n@Retention(AnnotationRetention.BINARY)\ninternal annotation class LowPriorityInOverloadResolution\n\n\*\*\n \* Specifies that the corresponding member has the highest priority in overload resolution. Effectively this means that\n \* an extension annotated with this annotation will win in overload resolution over a member with the same signature.\n\n\*\n@Target(AnnotationTarget.FUNCTION, AnnotationTarget.PROPERTY)\n@Retention(AnnotationRetention.BINARY)\ninternal annotation class HidesMembers\n\n\*\*\n \* The value of this type parameter should be mentioned in input types (argument types, receiver type or expected type).\n\n\*\n@Target(AnnotationTarget.TYPE\_PARAMETER)\n@Retention(AnnotationRetention.BINARY)\ninternal annotation class OnlyInputTypes\n\n\*\*\n \* Specifies that this function should not be called directly without inlining\n\n\*\n@Target(AnnotationTarget.FUNCTION, AnnotationTarget.PROPERTY, AnnotationTarget.PROPERTY\_GETTER, AnnotationTarget.PROPERTY\_SETTER)\n@Retention(AnnotationRetention.BINARY)\ninternal annotation class InlineOnly\n\n\*\*\n \* Specifies that this declaration can have dynamic receiver type.\n\n\*\n@Target(AnnotationTarget.FUNCTION, AnnotationTarget.PROPERTY)\n@Retention(AnnotationRetention.BINARY)\ninternal annotation class DynamicExtension\n\n\*\*\n \* The value of this parameter should be a property reference expression (`this::foo`), referencing a `lateinit` property,\n \* the backing field of which is accessible at the point where the corresponding argument is passed.\n\n\*\n@Target(AnnotationTarget.VALUE\_PARAMETER)\n@Retention(AnnotationRetention.BINARY)\n@SinceKotlin("1.2")\ninternal annotation class AccessibleLateinitPropertyLiteral\n\n\*\*\n \* Specifies that this declaration is



```

beforeChange(property: KProperty<*>, oldValue: T, newValue: T): Boolean = onChange(property, oldValue,
newValue)\n    }\n}\n\nprivate class NotNullVar<T : Any>(): ReadWriteProperty<Any?, T> {\n    private var
value: T? = null\n    public override fun getValue(thisRef: Any?, property: KProperty<*>): T {\n        return value
?: throw IllegalStateException("Property ${property.name} should be initialized before get.")\n    }\n    public
override fun setValue(thisRef: Any?, property: KProperty<*>, value: T) {\n        this.value = value\n
}\n}\n\n"/*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\npackage kotlin.properties\nimport kotlin.reflect.KProperty\n\n/**\n * Base interface that can be used for
implementing property delegates of read-only properties.\n * This is provided only for convenience; you don't
have to extend this interface\n * as long as your property delegate has methods with the same signatures.\n
*\n * @param T the type of object which owns the delegated property.\n * @param V the type of the property value.\n
*/\n\npublic fun interface ReadOnlyProperty<in T, out V> {\n    /**\n     * Returns the value of the property for the
given object.\n     * @param thisRef the object for which the value is requested.\n     * @param property the
metadata for the property.\n     * @return the property value.\n     */\n    public operator fun getValue(thisRef: T,
property: KProperty<*>): V\n}\n\n/**\n * Base interface that can be used for implementing property delegates of
read-write properties.\n * This is provided only for convenience; you don't have to extend this interface\n * as
long as your property delegate has methods with the same signatures.\n * @param T the type of object which
owns the delegated property.\n * @param V the type of the property value.\n */\n\npublic interface
ReadWriteProperty<in T, V> : ReadOnlyProperty<T, V> {\n    /**\n     * Returns the value of the property for the
given object.\n     * @param thisRef the object for which the value is requested.\n     * @param property the
metadata for the property.\n     * @return the property value.\n     */\n    public override operator fun
getValue(thisRef: T, property: KProperty<*>): V\n\n    /**\n     * Sets the value of the property for the given
object.\n     * @param thisRef the object for which the value is requested.\n     * @param property the metadata for
the property.\n     * @param value the value to set.\n     */\n    public operator fun setValue(thisRef: T, property:
KProperty<*>, value: V)\n}\n\n/**\n * Base interface that can be used for implementing property delegate
providers.\n * This is provided only for convenience; you don't have to extend this interface\n * as long as your
delegate provider has a method with the same signature.\n * @param T the type of object which owns the
delegated property.\n * @param D the type of property delegates this provider provides.\n
*/\n\n@SinceKotlin("1.4")\npublic fun interface PropertyDelegateProvider<in T, out D> {\n    /**\n     * Returns the
delegate of the property for the given object.\n     * @param thisRef the object for which property delegate is
requested.\n     * @param property the metadata for the property.\n     * @return the property delegate.\n     */\n    public operator fun provideDelegate(thisRef: T, property:
KProperty<*>): D\n}\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.properties\nimport kotlin.reflect.KProperty\n\n/**\n * Implements the core logic of a property delegate for a read/write property that calls callback functions when
changed.\n * @param initialValue the initial value of the property.\n */\n\npublic abstract class
ObservableProperty<V>(initialValue: V) : ReadWriteProperty<Any?, V> {\n    private var value = initialValue\n\n    /**\n     * The callback which is called before a change to the property value is attempted.\n     * The value of the
property hasn't been changed yet, when this callback is invoked.\n     * If the callback returns `true` the value of the
property is being set to the new value,\n     * and if the callback returns `false` the new value is discarded and the
property remains its old value.\n     */\n    protected open fun beforeChange(property: KProperty<*>, oldValue: V,
newValue: V): Boolean = true\n\n    /**\n     * The callback which is called after the change of the property is made.
The value of the property\n     * has already been changed when this callback is invoked.\n     */\n    protected open
fun afterChange(property: KProperty<*>, oldValue: V, newValue: V): Unit {}\n\n    public override fun
getValue(thisRef: Any?, property: KProperty<*>): V {\n        return value\n    }\n\n    public override fun
setValue(thisRef: Any?, property: KProperty<*>, value: V) {\n        val oldValue = this.value\n        if

```

```

(!beforeChange(property, oldValue, value)) {
    return
}
this.value = value
afterChange(property, oldValue, value)
}"/>**
 * Copyright 2010-2020 JetBrains s.r.o. and Kotlin
Programming Language contributors.
 * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.
 *^@file:Suppress("PackageDirectoryMismatch")
package
kotlin
nimport kotlin.reflect.
n/**
 * An extension operator that allows delegating a read-only property of type
[V]
 * to a property reference to a property of type [V] or its subtype.
 *
 * @receiver A property reference to a
read-only or mutable property of type [V] or its subtype.
 * The reference is without a receiver, i.e. it either
references a top-level property or
 * has the receiver bound to it.
 *
 * Example:
 *
 * ``
 * class Login(val
username: String)
 * val defaultLogin = Login("Admin")
 * val defaultUsername by defaultLogin::username
 *
 * // equivalent to
 * val defaultUserName get() = defaultLogin.username
 *
 * ``
 *^@SinceKotlin("1.4")
@kotlin.internal.InlineOnly
public inline operator fun <V>
KProperty0<V>.getValue(thisRef: Any?, property: KProperty<*>): V {
    return get()
}
n/**
 * An extension
operator that allows delegating a mutable property of type [V]
 * to a property reference to a mutable property of
the same type [V].
 *
 * @receiver A property reference to a mutable property of type [V].
 * The reference is
without a receiver, i.e. it either references a top-level property or
 * has the receiver bound to it.
 *
 * Example:
 *
 * ``
 * class Login(val username: String, var incorrectAttemptCounter: Int = 0)
 * val defaultLogin =
Login("Admin")
 * var defaultLoginAttempts by defaultLogin::incorrectAttemptCounter
 * // equivalent to
 * var defaultLoginAttempts: Int
 * get() = defaultLogin.incorrectAttemptCounter
 * set(value) {
defaultLogin.incorrectAttemptCounter = value
}
 *
 * ``
 *^@SinceKotlin("1.4")
@kotlin.internal.InlineOnly
public inline operator fun <V>
KMutableProperty0<V>.setValue(thisRef: Any?, property: KProperty<*>, value: V) {
    set(value)
}
n/**
 * An extension operator that allows delegating a read-only member or extension property of type [V]
 * to a
property reference to a member or extension property of type [V] or its subtype.
 *
 * @receiver A property
reference to a read-only or mutable property of type [V] or its subtype.
 * The reference has an unbound receiver of
type [T].
 *
 * Example:
 *
 * ``
 * class Login(val username: String)
 * val Login.user by
Login::username
 * // equivalent to
 * val Login.user get() = this.username
 *
 * ``
 *^@SinceKotlin("1.4")
@kotlin.internal.InlineOnly
public inline operator fun <T, V> KProperty1<T,
V>.getValue(thisRef: T, property: KProperty<*>): V {
    return get(thisRef)
}
n/**
 * An extension operator
that allows delegating a mutable member or extension property of type [V]
 * to a property reference to a member
or extension mutable property of the same type [V].
 *
 * @receiver A property reference to a read-only or
mutable property of type [V] or its subtype.
 * The reference has an unbound receiver of type [T].
 *
 * Example:
 *
 * ``
 * class Login(val username: String, var incorrectAttemptCounter: Int)
 * var Login.attempts
by Login::incorrectAttemptCounter
 * // equivalent to
 * var Login.attempts: Int
 * get() =
this.incorrectAttemptCounter
 * set(value) { this.incorrectAttemptCounter = value
}
 *
 * ``
 *^@SinceKotlin("1.4")
@kotlin.internal.InlineOnly
public inline operator fun <T, V> KMutableProperty1<T,
V>.setValue(thisRef: T, property: KProperty<*>, value: V) {
    set(thisRef, value)
}"/>**
 * Copyright 2010-
2021 JetBrains s.r.o. and Kotlin Programming Language contributors.
 * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.
 *^@
package kotlin.random
nimport
kotlin.math.nextDown
n/**
 * An abstract class that is implemented by random number generator algorithms.
 *
 * The companion object [Random.Default] is the default instance of [Random].
 *
 * To get a seeded instance
of random generator use [Random] function.
 *
 * @sample samples.random.Randoms.defaultRandom
 *^@SinceKotlin("1.3")
public abstract class Random {
    /**
     * Gets the next random [bitCount] number
of bits.
     *
     * Generates an `Int` whose lower [bitCount] bits are filled with random values and the remaining
upper bits are zero.
     *
     * @param bitCount number of bits to generate, must be in range 0..32, otherwise the
behavior is unspecified.
     *
     * @sample samples.random.Randoms.nextBits
     */
    public abstract fun
nextBits(bitCount: Int): Int
    /**
     * Gets the next random `Int` from the random number generator.
     *
     * Generates an `Int` random value uniformly distributed between `Int.MIN_VALUE` and `Int.MAX_VALUE`
(inclusive).
     *
     * @sample samples.random.Randoms.nextInt
     */
    public open fun nextInt(): Int =

```

```

nextBits(32)\n\n /**\n * Gets the next random non-negative `Int` from the random number generator less than
the specified [until] bound.\n * Generates an `Int` random value uniformly distributed between `0`
(inclusive) and the specified [until] bound (exclusive).\n * @param until must be positive.\n * @throws IllegalArgumentException if [until] is negative or zero.\n * @sample
samples.random.Randoms.nextIntFromUntil\n */\n public open fun nextInt(until: Int): Int = nextInt(0, until)\n\n
/**\n * Gets the next random `Int` from the random number generator in the specified range.\n * Generates an `Int` random value uniformly distributed between the specified [from] (inclusive) and [until]
(exclusive) bounds.\n * @throws IllegalArgumentException if [from] is greater than or equal to [until].\n * @sample samples.random.Randoms.nextIntFromUntil\n */\n public open fun nextInt(from: Int, until:
Int): Int {\n    checkRangeBounds(from, until)\n    val n = until - from\n    if (n > 0 || n == Int.MIN_VALUE)\n    {\n        val rnd = if (n and -n == n) {\n            val bitCount = fastLog2(n)\n            nextBits(bitCount)\n        } else {\n            var v: Int\n            do {\n                val bits = nextInt().ushr(1)\n                v = bits % n\n            } while (bits - v + (n - 1) < 0)\n            v\n        }\n        return from + rnd\n    } else {\n        while
(true) {\n            val rnd = nextInt()\n            if (rnd in from until until) return rnd\n        }\n    }\n}\n\n
/**\n * Gets the next random `Long` from the random number generator.\n * Generates a `Long` random
value uniformly distributed between `Long.MIN_VALUE` and `Long.MAX_VALUE` (inclusive).\n * @sample samples.random.Randoms.nextLong\n */\n public open fun nextLong(): Long =
nextInt().toLong().shl(32) + nextInt()\n\n
/**\n * Gets the next random non-negative `Long` from the random
number generator less than the specified [until] bound.\n * Generates a `Long` random value uniformly
distributed between `0` (inclusive) and the specified [until] bound (exclusive).\n * @param until must be
positive.\n * @throws IllegalArgumentException if [until] is negative or zero.\n * @sample
samples.random.Randoms.nextLongFromUntil\n */\n public open fun nextLong(until: Long): Long =
nextLong(0, until)\n\n
/**\n * Gets the next random `Long` from the random number generator in the specified
range.\n * Generates a `Long` random value uniformly distributed between the specified [from] (inclusive)
and [until] (exclusive) bounds.\n * @throws IllegalArgumentException if [from] is greater than or equal to
[until].\n * @sample samples.random.Randoms.nextLongFromUntil\n */\n public open fun
nextLong(from: Long, until: Long): Long {\n    checkRangeBounds(from, until)\n    val n = until - from\n
if (n > 0) {\n        val rnd: Long\n        if (n and -n == n) {\n            val nLow = n.toInt()\n            val nHigh
= (n ushr 32).toInt()\n            rnd = when {\n                nLow != 0 -> {\n                    val bitCount =
fastLog2(nLow)\n                    // toUInt().toLong()\n                    nextBits(bitCount).toLong() and
0xFFFF_FFFF\n                }\n                nHigh == 1 -> {\n                    // toUInt().toLong()\n
nextInt().toLong() and 0xFFFF_FFFF\n                } else -> {\n                    val bitCount = fastLog2(nHigh)\n
                    nextBits(bitCount).toLong().shl(32) + (nextInt().toLong() and 0xFFFF_FFFF)\n                }\n
            }\n        } else {\n            var v: Long\n            do {\n                val bits = nextLong().ushr(1)\n
v = bits % n\n            } while (bits - v + (n - 1) < 0)\n            rnd = v\n        }\n        return from + rnd\n
    } else {\n        while (true) {\n            val rnd = nextLong()\n            if (rnd in from until until) return rnd\n
        }\n    }\n}\n\n
/**\n * Gets the next random [Boolean] value.\n * @sample
samples.random.Randoms.nextBoolean\n */\n public open fun nextBoolean(): Boolean = nextBits(1) != 0\n\n
/**\n * Gets the next random [Double] value uniformly distributed between 0 (inclusive) and 1 (exclusive).\n
* @sample samples.random.Randoms.nextDouble\n */\n public open fun nextDouble(): Double =
doubleFromParts(nextBits(26), nextBits(27))\n\n
/**\n * Gets the next random non-negative `Double` from the
random number generator less than the specified [until] bound.\n * Generates a `Double` random value
uniformly distributed between 0 (inclusive) and [until] (exclusive).\n * @throws IllegalArgumentException
if [until] is negative or zero.\n * @sample samples.random.Randoms.nextDoubleFromUntil\n */\n
public open fun nextDouble(until: Double): Double = nextDouble(0.0, until)\n\n
/**\n * Gets the next random
`Double` from the random number generator in the specified range.\n * Generates a `Double` random value
uniformly distributed between the specified [from] (inclusive) and [until] (exclusive) bounds.\n * [from]
and [until] must be finite otherwise the behavior is unspecified.\n * @throws IllegalArgumentException if

```

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[from] is greater than or equal to [until].\n
 * \n
 * @sample samples.random.Randoms.nextDoubleFromUntil\n
 * \n
 public open fun nextDouble(from: Double, until: Double): Double {\n
     checkRangeBounds(from, until)\n
     val size = until - from\n
     val r = if (size.isInfinite() && from.isFinite() && until.isFinite()) {\n
         val r1 =\n
         nextDouble() * (until / 2 - from / 2)\n
         from + r1 + r1\n
     } else {\n
         from + nextDouble() * size\n
     }\n
     return if (r >= until) until.nextDown() else r\n
 }\n
 /** \n
 * Gets the next random [Float] value\n
 uniformly distributed between 0 (inclusive) and 1 (exclusive).\n
 * \n
 * @sample\n
 samples.random.Randoms.nextFloat\n
 * \n
 public open fun nextFloat(): Float = nextBits(24) / (1 shl\n
 24).toFloat()\n
 /** \n
 * Fills a subrange of the specified byte [array] starting from [fromIndex] inclusive and\n
 ending [toIndex] exclusive\n
 * with random bytes.\n
 * \n
 * @return [array] with the subrange filled with\n
 random bytes.\n
 * \n
 * @sample samples.random.Randoms.nextBytes\n
 * \n
 public open fun\n
 nextBytes(array: ByteArray, fromIndex: Int = 0, toIndex: Int = array.size): ByteArray {\n
     require(fromIndex in\n
 0..array.size && toIndex in 0..array.size) {\n
         \"fromIndex ($fromIndex) or toIndex ($toIndex) are out of range:\n
 0..${array.size}.\" }\n
     require(fromIndex <= toIndex) {\n
         \"fromIndex ($fromIndex) must be not greater than\n
 toIndex ($toIndex).\" }\n
     val steps = (toIndex - fromIndex) / 4\n
     var position = fromIndex\n
     repeat(steps) {\n
         val v = nextInt()\n
         array[position] = v.toByte()\n
         array[position + 1] =\n
 v.ushr(8).toByte()\n
         array[position + 2] = v.ushr(16).toByte()\n
         array[position + 3] =\n
 v.ushr(24).toByte()\n
         position += 4\n
     }\n
     val remainder = toIndex - position\n
     val vr =\n
 nextBits(remainder * 8)\n
     for (i in 0 until remainder) {\n
         array[position + i] = vr.ushr(i * 8).toByte()\n
     }\n
     return array\n
 }\n
 /** \n
 * Fills the specified byte [array] with random bytes and returns it.\n
 * \n
 * @return [array] filled with random bytes.\n
 * \n
 * @sample samples.random.Randoms.nextBytes\n
 * \n
 public open fun nextBytes(array: ByteArray): ByteArray = nextBytes(array, 0, array.size)\n
 /** \n
 * Creates a\n
 byte array of the specified [size], filled with random bytes.\n
 * \n
 * @sample\n
 samples.random.Randoms.nextBytes\n
 * \n
 public open fun nextBytes(size: Int): ByteArray =\n
 nextBytes(ByteArray(size))\n
 /** \n
 * The default random number generator.\n
 * \n
 * On JVM this\n
 generator is thread-safe, its methods can be invoked from multiple threads.\n
 * \n
 * @sample\n
 samples.random.Randoms.defaultRandom\n
 * \n
 companion object Default : Random(), Serializable {\n
 private val defaultRandom: Random = defaultPlatformRandom()\n
 private object Serialized : Serializable {\n
     private const val serialVersionUID = 0L\n
     private fun readResolve(): Any = Random()\n
 }\n
 private fun writeReplace(): Any = Serialized\n
 override fun nextBits(bitCount: Int): Int =\n
 defaultRandom.nextBits(bitCount)\n
 override fun nextInt(): Int = defaultRandom.nextInt()\n
 override fun\n
 nextInt(until: Int): Int = defaultRandom.nextInt(until)\n
 override fun nextInt(from: Int, until: Int): Int =\n
 defaultRandom.nextInt(from, until)\n
 override fun nextLong(): Long = defaultRandom.nextLong()\n
 override fun\n
 nextLong(until: Long): Long = defaultRandom.nextLong(until)\n
 override fun nextLong(from:\n
 Long, until: Long): Long = defaultRandom.nextLong(from, until)\n
 override fun nextBoolean(): Boolean =\n
 defaultRandom.nextBoolean()\n
 override fun nextDouble(): Double = defaultRandom.nextDouble()\n
 override fun\n
 nextDouble(until: Double): Double = defaultRandom.nextDouble(until)\n
 override fun\n
 nextDouble(from: Double, until: Double): Double = defaultRandom.nextDouble(from, until)\n
 override fun\n
 nextFloat(): Float = defaultRandom.nextFloat()\n
 override fun nextBytes(array: ByteArray): ByteArray =\n
 defaultRandom.nextBytes(array)\n
 override fun nextBytes(size: Int): ByteArray =\n
 defaultRandom.nextBytes(size)\n
 override fun nextBytes(array: ByteArray, fromIndex: Int, toIndex: Int):\n
 ByteArray =\n
 defaultRandom.nextBytes(array, fromIndex, toIndex)\n
 }\n
 /** \n
 * Returns a repeatable\n
 random number generator seeded with the given [seed] `Int` value.\n
 * \n
 * Two generators with the same seed\n
 produce the same sequence of values within the same version of Kotlin runtime.\n
 * \n
 * *Note:* Future versions of\n
 Kotlin may change the algorithm of this seeded number generator so that it will return\n
 * a sequence of values\n
 different from the current one for a given seed.\n
 * \n
 * On JVM the returned generator is NOT thread-safe. Do not\n
 invoke it from multiple threads without proper synchronization.\n
 * \n
 * @sample\n
 samples.random.Randoms.seededRandom\n
 * \n
 @SinceKotlin(\"1.3\")\n
 public fun Random(seed: Int): Random =\n
 XorWowRandom(seed, seed.shr(31))\n
 /** \n
 * Returns a repeatable random number generator seeded with the

```

given [seed] `Long` value.  
 \* Two generators with the same seed produce the same sequence of values within the same version of Kotlin runtime.  
 \* **Note:** Future versions of Kotlin may change the algorithm of this seeded number generator so that it will return a sequence of values different from the current one for a given seed.  
 \* On JVM the returned generator is NOT thread-safe. Do not invoke it from multiple threads without proper synchronization.  
 \* @sample samples.random.Randoms.seededRandom

```

*^@SinceKotlin("1.3")
public fun Random(seed: Long): Random = XorWowRandom(seed.toInt(),
seed.shr(32).toInt())
**
* Gets the next random `Int` from the random number generator in the specified [range].
* Generates an `Int` random value uniformly distributed in the specified [range]:
* from `range.start` inclusive to `range.endInclusive` inclusive.
* @throws IllegalArgumentException if [range] is empty.
*^@SinceKotlin("1.3")
public fun Random.nextInt(range: IntRange): Int = when {
    range.isEmpty() -> throw
    IllegalArgumentException("Cannot get random in empty range: $range")
    range.last < Int.MAX_VALUE ->
    nextInt(range.first, range.last + 1)
    range.first > Int.MIN_VALUE -> nextInt(range.first - 1, range.last) + 1
    else -> nextInt()
}
**
* Gets the next random `Long` from the random number generator in the specified [range].
* Generates a `Long` random value uniformly distributed in the specified [range]:
* from `range.start` inclusive to `range.endInclusive` inclusive.
* @throws IllegalArgumentException if [range] is empty.
*^@SinceKotlin("1.3")
public fun Random.nextLong(range: LongRange): Long = when {
    range.isEmpty() -> throw
    IllegalArgumentException("Cannot get random in empty range: $range")
    range.last <
    Long.MAX_VALUE -> nextLong(range.first, range.last + 1)
    range.first > Long.MIN_VALUE ->
    nextLong(range.first - 1, range.last) + 1
    else -> nextLong()
}
internal expect fun
defaultPlatformRandom(): Random
internal expect fun doubleFromParts(hi26: Int, low27: Int): Double
internal
fun fastLog2(value: Int): Int = 31 - value.countLeadingZeroBits()
**
* Takes upper [bitCount] bits (0..32) from
this number.
*^internal fun Int.takeUpperBits(bitCount: Int): Int =
    this.ushr(32 - bitCount) and (-
    bitCount).shr(31)
internal fun checkRangeBounds(from: Int, until: Int) = require(until > from) {
    boundsErrorMessage(from, until)
}
internal fun checkRangeBounds(from: Long, until: Long) = require(until >
    from) {
    boundsErrorMessage(from, until)
}
internal fun checkRangeBounds(from: Double, until: Double) =
    require(until > from) {
    boundsErrorMessage(from, until)
}
internal fun boundsErrorMessage(from: Any, until:
    Any) = "Random range is empty: [$from, $until]."
**
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found in the license/LICENSE.txt file.
*^package kotlin.random
**
* Gets the next random [UInt]
from the random number generator.
* Generates a [UInt] random value uniformly distributed between
[UInt.MIN_VALUE] and [UInt.MAX_VALUE] (inclusive).
*^@SinceKotlin("1.5")
@WasExperimental(ExperimentalUnsignedTypes::class)
public fun
Random.nextUInt(): UInt = nextInt().toUInt()
**
* Gets the next random [UInt] from the random number
generator less than the specified [until] bound.
* Generates a [UInt] random value uniformly distributed
between `0` (inclusive) and the specified [until] bound (exclusive).
* @throws IllegalArgumentException if
[until] is zero.
*^@SinceKotlin("1.5")
@WasExperimental(ExperimentalUnsignedTypes::class)
public fun
Random.nextUInt(until: UInt): UInt = nextUInt(0u, until)
**
* Gets the next random [UInt] from the random
number generator in the specified range.
* Generates a [UInt] random value uniformly distributed between the
specified [from] (inclusive) and [until] (exclusive) bounds.
* @throws IllegalArgumentException if [from] is
greater than or equal to [until].
*^@SinceKotlin("1.5")
@WasExperimental(ExperimentalUnsignedTypes::class)
public fun
Random.nextUInt(from: UInt, until: UInt): UInt {
    checkUIntRangeBounds(from, until)
    val signedFrom =
    from.toInt() xor Int.MIN_VALUE
    val signedUntil = until.toInt() xor Int.MIN_VALUE
    val signedResult =
    nextInt(signedFrom, signedUntil) xor Int.MIN_VALUE
    return signedResult.toUInt()
}
**
* Gets the next
random [UInt] from the random number generator in the specified [range].
* Generates a [UInt] random value
uniformly distributed in the specified [range]:
* from `range.start` inclusive to `range.endInclusive` inclusive.
* @throws IllegalArgumentException if [range] is empty.
*^@SinceKotlin("1.5")
@WasExperimental(ExperimentalUnsignedTypes::class)
public fun

```

```

Random.nextInt(range: UIntRange): UInt = when {
    range.isEmpty() -> throw
    IllegalArgumentException("Cannot get random in empty range: $range")
    range.last < UInt.MAX_VALUE ->
    nextUInt(range.first, range.last + 1u)
    range.first > UInt.MIN_VALUE -> nextUInt(range.first - 1u, range.last) +
    1u
    else -> nextUInt()
}
/**
 * Gets the next random [UInt] from the random number generator.
 * Generates a [UInt] random value uniformly distributed between [UInt.MIN_VALUE] and
 [UInt.MAX_VALUE] (inclusive).
 */
@SinceKotlin("1.5")
@WasExperimental(ExperimentalUnsignedTypes::class)
public fun
Random.nextULong(): ULong = nextLong().toULong()
/**
 * Gets the next random [ULong] from the random
 number generator less than the specified [until] bound.
 * Generates a [ULong] random value uniformly
 distributed between 0 (inclusive) and the specified [until] bound (exclusive).
 * @throws
 IllegalArgumentException if [until] is zero.
 */
@SinceKotlin("1.5")
@WasExperimental(ExperimentalUnsignedTypes::class)
public fun
Random.nextULong(until: ULong): ULong = nextULong(0uL, until)
/**
 * Gets the next random [ULong] from
 the random number generator in the specified range.
 * Generates a [ULong] random value uniformly
 distributed between the specified [from] (inclusive) and [until] (exclusive) bounds.
 * @throws
 IllegalArgumentException if [from] is greater than or equal to [until].
 */
@SinceKotlin("1.5")
@WasExperimental(ExperimentalUnsignedTypes::class)
public fun
Random.nextULong(from: ULong, until: ULong): ULong {
    checkULongRangeBounds(from, until)
    val signedFrom = from.toLong() xor Long.MIN_VALUE
    val signedUntil = until.toLong() xor
 Long.MIN_VALUE
    val signedResult = nextLong(signedFrom, signedUntil) xor Long.MIN_VALUE
    return signedResult.toULong()
}
/**
 * Gets the next random [ULong] from the random number generator in
 the specified [range].
 * Generates a [ULong] random value uniformly distributed in the specified [range]:
 * from `range.start` inclusive to `range.endInclusive` inclusive.
 * @throws IllegalArgumentException if [range]
 is empty.
 */
@SinceKotlin("1.5")
@WasExperimental(ExperimentalUnsignedTypes::class)
public fun
Random.nextULong(range: ULongRange): ULong = when {
    range.isEmpty() -> throw
    IllegalArgumentException("Cannot get random in empty range: $range")
    range.last < ULong.MAX_VALUE -
 > nextULong(range.first, range.last + 1u)
    range.first > ULong.MIN_VALUE -> nextULong(range.first - 1u,
 range.last) + 1u
    else -> nextULong()
}
/**
 * Fills the specified unsigned byte [array] with random bytes
 and returns it.
 * @return [array] filled with random bytes.
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun Random.nextUBytes(array: UByteArray):
UByteArray {
    nextBytes(array.asByteArray())
    return array
}
/**
 * Creates an unsigned byte array of
 the specified [size], filled with random bytes.
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun Random.nextUBytes(size: Int): UByteArray = nextBytes(size).asUByteArray()
/**
 * Fills a subrange of the
 specified `UByte` [array] starting from [fromIndex] inclusive and ending [toIndex] exclusive with random
 UBytes.
 * @return [array] with the subrange filled with random bytes.
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun Random.nextUBytes(array: UByteArray,
fromIndex: Int = 0, toIndex: Int = array.size): UByteArray {
    nextBytes(array.asByteArray(), fromIndex,
 toIndex)
    return array
}
internal fun checkUIntRangeBounds(from: UInt, until: UInt) = require(until >
 from) { boundsErrorMessage(from, until) }
internal fun checkULongRangeBounds(from: ULong, until: ULong) =
 require(until > from) { boundsErrorMessage(from, until) }
/**
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 Kotlin Programming Language contributors.
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 can be found in the license/LICENSE.txt file.
 */
package kotlin.random
/**
 * Random number generator,
 using Marsaglia's "xorwow" algorithm
 * Cycles after 2^192 - 2^32 repetitions.
 * For more details, see
 Marsaglia, George (July 2003). "Xorshift RNGs". Journal of Statistical Software. 8 (14).
 doi:10.18637/jss.v008.i14
 * Available at https://www.jstatsoft.org/v08/i14/paper
 */
internal class
XorWowRandom internal constructor(
    private var x: Int,
    private var y: Int,
    private var z: Int,
    private var w: Int,
    private var v: Int,
    private var addend: Int
) : Random(), Serializable {
    internal
    constructor(seed1: Int, seed2: Int) :
        this(seed1, seed2, 0, 0, seed1.inv(), (seed1 shl 10) xor (seed2 ushr

```

```

4))\n\n    init {\n        require((x or y or z or w or v) != 0) { \"Initial state must have at least one non-zero element.\"\n    }\n\n    // some trivial seeds can produce several values with zeroes in upper bits, so we discard first 64\n    repeat(64) { nextInt() }\n\n    override fun nextInt(): Int {\n        // Equivalent to the xorxow algorithm\n        // From Marsaglia, G. 2003. Xorshift RNGs. J. Statis. Soft. 8, 14, p. 5\n        var t = x\n        t = t xor (t ushr 2)\n        x = y\n        y = z\n        z = w\n        val v0 = v\n        w = v0\n        t = (t xor (t shl 1)) xor v0 xor (v0 shl 4)\n        v = t\n        addend += 362437\n        return t + addend\n    }\n\n    override fun nextBits(bitCount: Int): Int =\n    nextInt().takeUpperBits(bitCount)\n\n    private companion object {\n        private const val serialVersionUID: Long = 0L\n    }\n\n    \"\"*\n    * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n    * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n    * \"\"*\n    @file:kotlin.jvm.JvmMultifileClass\n    @file:kotlin.jvm.JvmName(\"RangesKt\")\n\npackage\nkotlin.ranges\n\n/*\n * Represents a range of [Comparable] values.\n */\nprivate open class ComparableRange<T : Comparable<T>>(\n    override val start: T,\n    override val endInclusive: T) : ClosedRange<T> {\n\n    override fun equals(other: Any?): Boolean {\n        return other is ComparableRange<*> && (isEmpty() && other.isEmpty())\n    }\n\n    start == other.start && endInclusive == other.endInclusive)\n\n    override fun hashCode(): Int {\n        return if (isEmpty()) -1 else 31 * start.hashCode() + endInclusive.hashCode()\n    }\n\n    override fun toString(): String = \"$start..$endInclusive\"\n\n}\n\n/*\n * Creates a range from this [Comparable] value to the specified [that] value.\n * This value needs to be smaller than or equal to [that] value, otherwise the returned range will be empty.\n * @sample samples.ranges.Ranges.rangeFromComparable\n */\npublic operator fun <T : Comparable<T>> T.rangeTo(that: T): ClosedRange<T> = ComparableRange(this, that)\n\n/*\n * Represents a range of floating point numbers.\n * Extends [ClosedRange] interface providing custom operation [lessThanOrEquals] for comparing values of range domain type.\n * This interface is implemented by floating point ranges returned by [Float.rangeTo] and [Double.rangeTo] operators to achieve IEEE-754 comparison order instead of total order of floating point numbers.\n */\n@SinceKotlin(\"1.1\")\npublic interface\nClosedFloatingPointRange<T : Comparable<T>> : ClosedRange<T> {\n    override fun contains(value: T): Boolean = lessThanOrEquals(start, value) && lessThanOrEquals(value, endInclusive)\n    override fun isEmpty(): Boolean = !lessThanOrEquals(start, endInclusive)\n\n}\n\n/*\n * Compares two values of range domain type and returns true if first is less than or equal to second.\n */\nfun lessThanOrEquals(a: T, b: T): Boolean\n}\n\n/*\n * A closed range of values of type `Double`.\n * Numbers are compared with the ends of this range according to IEEE-754.\n */\nprivate class ClosedDoubleRange(\n    start: Double,\n    endInclusive: Double) : ClosedFloatingPointRange<Double> {\n    private val _start = start\n    private val _endInclusive = endInclusive\n\n    override val start: Double get() = _start\n    override val endInclusive: Double get() = _endInclusive\n\n    override fun lessThanOrEquals(a: Double, b: Double): Boolean = a <= b\n\n    override fun contains(value: Double): Boolean = value >= _start && value <= _endInclusive\n\n    override fun isEmpty(): Boolean = !(_start <= _endInclusive)\n\n    override fun equals(other: Any?): Boolean {\n        return other is ClosedDoubleRange && (isEmpty() && other.isEmpty())\n    }\n\n    _start == other._start && _endInclusive == other._endInclusive)\n\n}\n\n    override fun hashCode(): Int {\n        return if (isEmpty()) -1 else 31 * _start.hashCode() + _endInclusive.hashCode()\n    }\n\n    override fun toString(): String = \"$_start..$_endInclusive\"\n\n}\n\n/*\n * Creates a range from this [Double] value to the specified [that] value.\n * Numbers are compared with the ends of this range according to IEEE-754.\n * @sample samples.ranges.Ranges.rangeFromDouble\n */\n@SinceKotlin(\"1.1\")\npublic operator fun Double.rangeTo(that: Double): ClosedFloatingPointRange<Double> = ClosedDoubleRange(this, that)\n\n/*\n * A closed range of values of type `Float`.\n * Numbers are compared with the ends of this range according to IEEE-754.\n */\nprivate class ClosedFloatRange(\n    start: Float,\n    endInclusive: Float) : ClosedFloatingPointRange<Float> {\n    private val _start = start\n    private val _endInclusive = endInclusive\n\n    override val start: Float get() = _start\n    override val endInclusive: Float get() = _endInclusive\n\n    override fun lessThanOrEquals(a: Float, b: Float): Boolean = a <= b\n\n    override fun contains(value: Float): Boolean = value >= _start && value <= _endInclusive\n\n    override fun isEmpty(): Boolean = !(_start <= _endInclusive)\n\n    override fun equals(other: Any?): Boolean {\n        return other is ClosedFloatRange && (isEmpty() && other.isEmpty())\n    }\n\n    _start == other._start && _endInclusive == other._endInclusive)\n\n}\n\n    override

```

```

fun hashCode(): Int {
    return if (isEmpty()) -1 else 31 * _start.hashCode() + _endInclusive.hashCode()
}

override fun toString(): String = "$_start.$_endInclusive"

/**
 * Creates a range from this [Float] value to the specified [that] value.
 * Numbers are compared with the ends of this range according to IEEE-754.
 * @sample samples.ranges.Ranges.rangeFromFloat
 */
@SinceKotlin("1.1")
public operator fun Float.rangeTo(that: Float): ClosedFloatingPointRange<Float> = ClosedFloatRange(this, that)

/**
 * Returns `true` if this iterable range contains the specified [element].
 * Always returns `false` if the [element] is `null`.
 */
@SinceKotlin("1.3")
@kotlin.internal.InlineOnly
public inline operator fun <T, R> R.contains(element: T?): Boolean where T : Any, R : Iterable<T>, R : ClosedRange<T> =
    element != null && contains(element)

internal fun checkStepIsPositive(isPositive: Boolean, step: Number) {
    if (!isPositive) throw IllegalArgumentException("Step must be positive, was: $step.")
}

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 */
@file:kotlin.jvm.JvmName("KClasses")
@file:Suppress("UNCHECKED_CAST")
package kotlin.reflect

import kotlin.internal.LowPriorityInOverloadResolution

/**
 * Casts the given [value] to the class represented by this [KClass] object.
 * Throws an exception if the value is `null` or if it is not an instance of this class.
 * This is an experimental function that behaves as a similar function from kotlin.reflect.full on JVM.
 * @see [KClass.isInstance]
 * @see [KClass.safeCast]
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
@LowPriorityInOverloadResolution
fun <T : Any> KClass<T>.cast(value: Any?): T {
    if (!isInstance(value)) throw ClassCastException("Value cannot be cast to $qualifiedOrSimpleName")
    return value as T
}

// TODO: replace with qualifiedName when it is fully supported in K/JS
internal expect val KClass<*>.qualifiedOrSimpleName: String?

/**
 * Casts the given [value] to the class represented by this [KClass] object.
 * Returns `null` if the value is `null` or if it is not an instance of this class.
 * This is an experimental function that behaves as a similar function from kotlin.reflect.full on JVM.
 * @see [KClass.isInstance]
 * @see [KClass.cast]
 */
@SinceKotlin("1.4")
@WasExperimental(ExperimentalStdlibApi::class)
@LowPriorityInOverloadResolution
fun <T : Any> KClass<T>.safeCast(value: Any?): T? {
    return if (isInstance(value)) value as T else null
}

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 */
package kotlin.reflect

import kotlin.jvm.JvmField
import kotlin.jvm.JvmStatic

/**
 * Represents a type projection. Type projection is usually the argument to another type in a type usage.
 * For example, in the type `Array<out Number>`, `out Number` is the covariant projection of the type represented by the class `Number`.
 * Type projection is either the star projection, or an entity consisting of a specific type plus optional variance.
 * See the [Kotlin language documentation](https://kotlinlang.org/docs/reference/generics.html#type-projections) for more information.
 */
@SinceKotlin("1.1")
public data class KTypeProjection constructor(
    /**
     * The use-site variance specified in the projection, or `null` if this is a star projection.
     */
    public val variance: KVariance?,
    /**
     * The type specified in the projection, or `null` if this is a star projection.
     */
    public val type: KType?
) {
    init {
        require((variance == null) == (type == null))
        if (variance == null)
            "Star projection must have no type specified."
        else
            "The projection variance $variance requires type to be specified."
    }

    override fun toString(): String = when (variance) {
        null -> "*"
        KVariance.INVARIANT -> type.toString()
        KVariance.IN -> "in $type"
        KVariance.OUT -> "out $type"
    }

    public companion object {
        // provided for compiler access
        @JvmField
        @PublishedApi
        internal val star: KTypeProjection = KTypeProjection(null, null)

        /**
         * Star projection, denoted by the `*` character.
         * For example, in the type `KClass<*>`, `*` is the star projection.
         * See the [Kotlin language documentation](https://kotlinlang.org/docs/reference/generics.html#star-projections) for more information.
         */
        @JvmField
        public val STAR: KTypeProjection get() = star

        /**
         * Creates an invariant projection of a given type. Invariant projection is just the type itself,
         * without any use-site variance modifiers applied to it.
         * For example, in the type `Set<String>`, `String` is an invariant projection of the type

```

```

represented by the class `String`.
    @JvmStatic
    public fun invariant(type: KType):
KTypeProjection =
    KTypeProjection(KVariance.INVARIANT, type)
    /**
     * Creates a
contravariant projection of a given type, denoted by the `in` modifier applied to a type.
     * For example, in the
type `MutableList<in Number>`, `in Number` is a contravariant projection of the type of class `Number`.
    */
    @JvmStatic
    public fun contravariant(type: KType): KTypeProjection =
KTypeProjection(KVariance.IN, type)
    /**
     * Creates a covariant projection of a given type, denoted
by the `out` modifier applied to a type.
     * For example, in the type `Array<out Number>`, `out Number` is a
covariant projection of the type of class `Number`.
    */
    @JvmStatic
    public fun covariant(type:
KType): KTypeProjection =
    KTypeProjection(KVariance.OUT, type)
}
}
/**
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2019 JetBrains s.r.o. and Kotlin Programming Language contributors.
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 */
package kotlin.reflect
/**
 *
Represents variance applied to a type parameter on the declaration site (*declaration-site variance*),
or to a type
in a projection (*use-site variance*).
 * See the [Kotlin language
documentation](https://kotlinlang.org/docs/reference/generics.html#variance)
for more information.
 *
 * @see [KTypeParameter.variance]
 * @see [KTypeProjection]
 */
enum class KVariance
{
    /**
     * The affected type parameter or type is *invariant*, which means it has no variance applied to it.
    */
    INVARIANT,
    /**
     * The affected type parameter or type is *contravariant*. Denoted by the `in`
modifier in the source code.
    */
    IN,
    /**
     * The affected type parameter or type is *covariant*.
Denoted by the `out` modifier in the source code.
    */
    OUT,
}
/**
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that can be found in the license/LICENSE.txt file.
 */
package kotlin.reflect
/**
 * Returns a runtime
representation of the given reified type [T] as an instance of [KType].
 * Note that on JVM, the created type has
no annotations ([KType.annotations] returns an empty list)
even if the type in the source code is annotated.
Support for type annotations might be added in a future version.
 */
@SinceKotlin("1.6")
@WasExperimental(ExperimentalStdlibApi::class)
public inline fun <reified T>
typeOf(): KType =
    throw UnsupportedOperationException("This function is implemented as an intrinsic on all
supported platforms.")
/**
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contributors.
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license/LICENSE.txt file.
 */
@file:kotlin.jvm.JvmMultifileClass
@file:kotlin.jvm.JvmName("StringsKt")
package
kotlin.text
/**
 * An object to which char sequences and values can be appended.
 */
expect interface
Appendable {
    /**
     * Appends the specified character [value] to this Appendable and returns this instance.
     */
    @param value the character to append.
    fun append(value: Char): Appendable

    /**
     * Appends the specified character sequence [value] to this Appendable and returns this instance.
     */
    @param value the character sequence to append. If [value] is `null`, then the four characters `"\null"` are appended to this
Appendable.
    fun append(value: CharSequence?): Appendable

    /**
     * Appends a subsequence of
the specified character sequence [value] to this Appendable and returns this instance.
     */
    @param value the
character sequence from which a subsequence is appended. If [value] is `null`,
then characters are appended
as if [value] contained the four characters `"\null"`.
     */
    @param startIndex the beginning (inclusive) of the
subsequence to append.
     */
    @param endIndex the end (exclusive) of the subsequence to append.
     */
    @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of
range of the [value] character sequence indices or when `startIndex > endIndex`.
    fun append(value:
CharSequence?, startIndex: Int, endIndex: Int): Appendable
}
/**
 * Appends a subsequence of the specified
character sequence [value] to this Appendable and returns this instance.
 */
@param value the character
sequence from which a subsequence is appended.
 */
@param startIndex the beginning (inclusive) of the
subsequence to append.
 */
@param endIndex the end (exclusive) of the subsequence to append.
 */
@throws
IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of the
[value] character sequence indices or when `startIndex > endIndex`.

```

```

*^@SinceKotlin("1.4")^@WasExperimental(ExperimentalStdlibApi::class)^public fun <T : Appendable>
T.appendRange(value: CharSequence, startIndex: Int, endIndex: Int): T {
    @Suppress("UNCHECKED_CAST") return append(value, startIndex, endIndex) as T}
*^ Appends
all arguments to the given [Appendable].
*^public fun <T : Appendable> T.append(vararg value:
CharSequence?): T {
    for (item in value) append(item) return this}
*^ Appends a line feed
character ('\n') to this Appendable.
*^@SinceKotlin("1.4")^@kotlin.internal.InlineOnly^public inline fun
Appendable.appendLine(): Appendable = append('\n')
*^ Appends value to the given Appendable and a line
feed character ('\n') after it.
*^@SinceKotlin("1.4")^@kotlin.internal.InlineOnly^public inline fun
Appendable.appendLine(value: CharSequence?): Appendable = append(value).appendLine()
*^ Appends value
to the given Appendable and a line feed character ('\n') after it.
*^@SinceKotlin("1.4")^@kotlin.internal.InlineOnly^public inline fun Appendable.appendLine(value: Char):
Appendable = append(value).appendLine()
internal fun <T> Appendable.appendElement(element: T,
transform: ((T) -> CharSequence)?) {
    when {
        transform != null -> append(transform(element))
        element is CharSequence -> append(element)
        element is Char -> append(element)
        else ->
        append(element.toString())
    }
}
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license/LICENSE.txt file.

*^@file:kotlin.jvm.JvmMultifileClass^@file:kotlin.jvm.JvmName("StringsKt")^package
kotlin.text
*^ Trims leading whitespace characters followed by [marginPrefix] from every line of a source
string and removes
* the first and the last lines if they are blank (notice difference blank vs empty).
* Doesn't
affect a line if it doesn't contain [marginPrefix] except the first and the last blank lines.
* Doesn't preserve the
original line endings.
* @param marginPrefix non-blank string, which is used as a margin delimiter. Default is
` ` (pipe character).
* @sample samples.text.Strings.trimMargin
* @see trimIndent
* @see
kotlin.text.isWhitespace
*^public fun String.trimMargin(marginPrefix: String = "`"): String =
replaceIndentByMargin("`", marginPrefix)
*^ Detects indent by [marginPrefix] as it does [trimMargin] and
replace it with [newIndent].
* @param marginPrefix non-blank string, which is used as a margin delimiter.
Default is ` ` (pipe character).
*^public fun String.replaceIndentByMargin(newIndent: String = "`",
marginPrefix: String = "`"): String {
    require(marginPrefix.isNotBlank()) { "marginPrefix must be non-blank
string." }
    val lines = lines()
    return lines.reindent(length + newIndent.length * lines.size,
getIndentFunction(newIndent), { line ->
        val firstNonWhitespaceIndex = line.indexOfFirst { !it.isWhitespace() }
    })
    when {
        firstNonWhitespaceIndex == -1 -> null
        line.startsWith(marginPrefix,
firstNonWhitespaceIndex) -> line.substring(firstNonWhitespaceIndex + marginPrefix.length)
        else -> null
    }
})
}
*^ Detects a common minimal indent of all the input lines, removes it from every line and
also removes the first and the last
* lines if they are blank (notice difference blank vs empty).
* Note that
blank lines do not affect the detected indent level.
* In case if there are non-blank lines with no leading
whitespace characters (no indent at all) then the
* common indent is 0, and therefore this function doesn't change
the indentation.
* Doesn't preserve the original line endings.
* @sample
samples.text.Strings.trimIndent
* @see trimMargin
* @see kotlin.text.isBlank
*^public fun
String.trimIndent(): String = replaceIndent("`")
*^ Detects a common minimal indent like it does
[trimIndent] and replaces it with the specified [newIndent].
*^public fun String.replaceIndent(newIndent: String = "`"): String {
    val lines = lines()
    val minCommonIndent = lines
        .filter(String::isNotBlank)
        .map(String::indentWidth)
        .minOrNull() ?: 0
    return lines.reindent(length + newIndent.length *
lines.size, getIndentFunction(newIndent), { line -> line.drop(minCommonIndent) })
}
*^ Prepends [indent]
to every line of the original string.
* Doesn't preserve the original line endings.
*^public fun
String.prependIndent(indent: String = "`"): String =
    lineSequence()
        .map {
            when {
                it.isBlank() ->
                    when {
                        it.length < indent.length -> indent
                        else -> it
                    }
                else -> indent + it
            }
        }
        .joinToString("\n")
private fun
String.indentWidth(): Int = indexOfFirst { !it.isWhitespace() }.let { if (it == -1) length else it }
private fun

```



from 1 to `groupCount` and group with the index 0 corresponds to the entire match.

\* An element of the collection at the particular index can be `null` if the corresponding group in the regular expression is optional and there was no match captured by that group.

```

public interface MatchGroupCollection :
Collection<MatchGroup?> {
    /** Returns a group with the specified [index].
     * @return An instance of [MatchGroup] if the group with the specified [index] was matched or `null` otherwise.
     * Groups are indexed from 1 to the count of groups in the regular expression. A group with the index 0 corresponds to the entire match.
     * public operator fun get(index: Int): MatchGroup?
    }

    /** Extends [MatchGroupCollection] by introducing a way to get matched groups by name, when regex supports it.
     * @since Kotlin("1.1")
     * public interface MatchNamedGroupCollection : MatchGroupCollection {
     *     /** Returns a named group with the specified [name].
     *      * @return An instance of [MatchGroup] if the group with the specified [name] was matched or `null` otherwise.
     *      * @throws IllegalArgumentException if there is no group with the specified [name] defined in the regex pattern.
     *      * @throws UnsupportedOperationException if getting named groups isn't supported on the current platform.
     *      * public operator fun get(name: String): MatchGroup?
     *     }

    /** Represents the results from a single regular expression match.
     * public interface MatchResult {
     *     /** The range of indices in the original string where match was captured.
     *      * public val range: IntRange
     *     /** The substring from the input string captured by this match.
     *      * public val value: String
     *     /** A collection of groups matched by the regular expression.
     *      * This collection has size of `groupCount + 1` where `groupCount` is the count of groups in the regular expression.
     *      * Groups are indexed from 1 to `groupCount` and group with the index 0 corresponds to the entire match.
     *      * public val groups: MatchGroupCollection
     *     /** A list of matched indexed group values.
     *      * This list has size of `groupCount + 1` where `groupCount` is the count of groups in the regular expression.
     *      * Groups are indexed from 1 to `groupCount` and group with the index 0 corresponds to the entire match.
     *      * If the group in the regular expression is optional and there were no match captured by that group, corresponding item in [groupValues] is an empty string.
     *      * @sample
     * samples.text.Regexps.matchDestructuringToGroupValues
     *      * public val groupValues: List<String>
     *     /** An instance of [MatchResult.Destructured] wrapper providing components for destructuring assignment of group values.
     *      * component1 corresponds to the value of the first group, component2 of the second, and so on.
     *      * @sample samples.text.Regexps.matchDestructuringToGroupValues
     *      * public val destructured: Destructured
     *     /** Returns a new [MatchResult] with the results for the next match, starting at the position at which the last match ended (at the character after the last matched character).
     *      * public fun next(): MatchResult?
     *     /** Provides components for destructuring assignment of group values.
     *      * [component1] corresponds to the value of the first group, [component2] of the second, and so on.
     *      * If the group in the regular expression is optional and there were no match captured by that group, corresponding component value is an empty string.
     *      * @sample samples.text.Regexps.matchDestructuringToGroupValues
     *      * public class Destructured internal constructor(public val match: MatchResult) {
     *          @kotlin.internal.InlineOnly
     *          public operator inline fun component1(): String = match.groupValues[1]
     *          @kotlin.internal.InlineOnly
     *          public operator inline fun component2(): String = match.groupValues[2]
     *          @kotlin.internal.InlineOnly
     *          public operator inline fun component3(): String = match.groupValues[3]
     *          @kotlin.internal.InlineOnly
     *          public operator inline fun component4(): String = match.groupValues[4]
     *          @kotlin.internal.InlineOnly
     *          public operator inline fun component5(): String = match.groupValues[5]
     *          @kotlin.internal.InlineOnly
     *          public operator inline fun component6(): String = match.groupValues[6]
     *          @kotlin.internal.InlineOnly
     *          public operator inline fun component7(): String = match.groupValues[7]
     *          @kotlin.internal.InlineOnly
     *          public operator inline fun component8(): String = match.groupValues[8]
     *          @kotlin.internal.InlineOnly
     *          public operator inline fun component9(): String = match.groupValues[9]
     *          @kotlin.internal.InlineOnly
     *          public operator inline fun component10(): String = match.groupValues[10]
     *      * Returns destructured group values as a list of strings.
     *      * First value in the returned list corresponds to the value of the first group, and so on.
     *      * @sample samples.text.Regexps.matchDestructuringToGroupValues
     *      * public fun toList():

```

```

List<String> = match.groupValues.subList(1, match.groupValues.size)\n    }\n}", "/*\n * Copyright 2010-2021
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass()\n@file:kotlin.jvm.JvmName("DurationUnitKt")\n\npackage
kotlin.time\n\n/**\n * The list of possible time measurement units, in which a duration can be expressed.\n *
The smallest time unit is [NANOSECONDS] and the largest is [DAYS], which corresponds to exactly 24
[HOURS].\n *
@SinceKotlin("1.6")\n@WasExperimental(ExperimentalTime::class)\npublic expect enum class
DurationUnit {\n    /**\n     * Time unit representing one nanosecond, which is 1/1000 of a microsecond.\n     *
NANOSECONDS,\n     *
    /**\n     * Time unit representing one microsecond, which is 1/1000 of a millisecond.\n     *
MICROSECONDS,\n     *
    /**\n     * Time unit representing one millisecond, which is 1/1000 of a second.\n     *
MILLISECONDS,\n     *
    /**\n     * Time unit representing one second.\n     *
SECONDS,\n     *
    /**\n     * Time unit representing one minute.\n     *
MINUTES,\n     *
    /**\n     * Time unit representing one hour.\n     *
HOURS,\n     *
    /**\n     * Time unit representing one day, which is always equal to 24 hours.\n     *
DAYS;\n }\n\n/** Converts the given time duration [value] expressed in the specified [sourceUnit] into the specified
[targetUnit].\n *
@SinceKotlin("1.3")\ninternal expect fun convertDurationUnit(value: Double, sourceUnit:
DurationUnit, targetUnit: DurationUnit): Double\n\n// overflown result is
unspecified\n@SinceKotlin("1.5")\ninternal expect fun convertDurationUnitOverflow(value: Long, sourceUnit:
DurationUnit, targetUnit: DurationUnit): Long\n\n// overflown result is coerced in the Long range
boundaries\n@SinceKotlin("1.5")\ninternal expect fun convertDurationUnit(value: Long, sourceUnit:
DurationUnit, targetUnit: DurationUnit):
Long\n\n@SinceKotlin("1.3")\n@Suppress("REDUNDANT_ELSE_IN_WHEN")\ninternal fun
DurationUnit.shortName(): String = when (this) {\n    DurationUnit.NANOSECONDS -> "ns"\n
DurationUnit.MICROSECONDS -> "us"\n
DurationUnit.MILLISECONDS -> "ms"\n
DurationUnit.SECONDS -> "s"\n
DurationUnit.MINUTES -> "m"\n
DurationUnit.HOURS -> "h"\n
DurationUnit.DAYS -> "d" else -> error("Unknown unit: $this")\n }\n\n@SinceKotlin("1.5")\ninternal fun
durationUnitByShortName(shortName: String): DurationUnit = when (shortName) {\n    "ns" ->
DurationUnit.NANOSECONDS\n    "us" -> DurationUnit.MICROSECONDS\n    "ms" ->
DurationUnit.MILLISECONDS\n    "s" -> DurationUnit.SECONDS\n    "m" -> DurationUnit.MINUTES\n
"h" -> DurationUnit.HOURS\n    "d" -> DurationUnit.DAYS\n    else -> throw
IllegalArgumentException("Unknown duration unit short name:
$shortName")\n }\n\n@SinceKotlin("1.5")\ninternal fun durationUnitByIsoChar(isoChar: Char,
isTimeComponent: Boolean): DurationUnit =\n    when {\n        !isTimeComponent -> {\n            when (isoChar)
{\n                'D' -> DurationUnit.DAYS\n                else -> throw IllegalArgumentException("Invalid or
unsupported duration ISO non-time unit: $isoChar")\n            }\n        }\n        else -> {\n            when (isoChar) {\n
                'H' -> DurationUnit.HOURS\n                'M' -> DurationUnit.MINUTES\n                'S' ->
DurationUnit.SECONDS\n                else -> throw IllegalArgumentException("Invalid duration ISO time unit:
$isoChar")\n            }\n        }\n    }\n }", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *
package kotlin.time\n\nimport kotlin.annotation.AnnotationTarget.*\n\n/**\n * This annotation marks the experimental preview of the standard library API for measuring time and working with
durations.\n *
> Note that this API is in a preview state and has a very high chance of being changed in the
future.\n *
Do not use it if you develop a library since your library will become binary incompatible\n * with the
future versions of the standard library.\n *
Any usage of a declaration annotated with `@ExperimentalTime`
must be accepted either by\n * annotating that usage with the [OptIn] annotation, e.g.
`@OptIn(ExperimentalTime::class)`,\n * or by using the compiler argument `-opt-
in=kotlin.time.ExperimentalTime`.\n *
@RequiresOptIn(level =
RequiresOptIn.Level.ERROR)\n@MustBeDocumented\n@Retention(AnnotationRetention.BINARY)\n@Target(\n
CLASS,\n ANNOTATION_CLASS,\n PROPERTY,\n FIELD,\n LOCAL_VARIABLE,\n

```

```

VALUE_PARAMETER,\n CONSTRUCTOR,\n FUNCTION,\n PROPERTY_GETTER,\n
PROPERTY_SETTER,\n TYPEALIAS\n)\n@SinceKotlin("1.3")\npublic annotation class
ExperimentalTime\n", /*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.time\n\n/**\n * A source of time for measuring time intervals.\n
*\n * The only operation provided by the time source is [markNow]. It returns a [TimeMark], which can be used to
query the elapsed time later.\n *\n * @see [measureTime]\n * @see [measureTimedValue]\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalTime\npublic interface TimeSource {\n    /**\n     * Marks a point in
time on this time source.\n     *\n     * The returned [TimeMark] instance encapsulates the captured time point and
allows querying\n     * the duration of time interval [elapsed][TimeMark.elapsedNow] from that point.\n     */\n
    public fun markNow(): TimeMark\n\n    /**\n     * The most precise time source available in the platform.\n     *\n
     * This time source returns its readings from a source of monotonic time when it is available in a target platform,\n
     * and resorts to a non-monotonic time source otherwise.\n     */\n    public object Monotonic : TimeSource by
MonotonicTimeSource {\n        override fun toString(): String = MonotonicTimeSource.toString()\n    }\n\n    public
companion object {\n        }\n\n\n/**\n * Represents a time point notched on a particular [TimeSource].
Remains bound to the time source it was taken from\n * and allows querying for the duration of time elapsed from
that point (see the function [elapsedNow]).\n */\n\n@SinceKotlin("1.3")\n@ExperimentalTime\npublic abstract class
TimeMark {\n    /**\n     * Returns the amount of time passed from this mark measured with the time source from
which this mark was taken.\n     *\n     * Note that the value returned by this function can change on subsequent
invocations.\n     */\n    public abstract fun elapsedNow(): Duration\n\n    /**\n     * Returns a time mark on the same
time source that is ahead of this time mark by the specified [duration].\n     *\n     * The returned time mark is more
_late_ when the [duration] is positive, and more _early_ when the [duration] is negative.\n     */\n    public open
operator fun plus(duration: Duration): TimeMark = AdjustedTimeMark(this, duration)\n\n    /**\n     * Returns a
time mark on the same time source that is behind this time mark by the specified [duration].\n     *\n     * The
returned time mark is more _early_ when the [duration] is positive, and more _late_ when the [duration] is
negative.\n     */\n    public open operator fun minus(duration: Duration): TimeMark = plus(-duration)\n\n\n    /**\n
     * Returns true if this time mark has passed according to the time source from which this mark was taken.\n     *\n
     * Note that the value returned by this function can change on subsequent invocations.\n     * If the time source is
monotonic, it can change only from `false` to `true`, namely, when the time mark becomes behind the current point
of the time source.\n     */\n    public fun hasPassedNow(): Boolean = !elapsedNow().isNegative()\n\n    /**\n
     * Returns false if this time mark has not passed according to the time source from which this mark was taken.\n
     *\n     * Note that the value returned by this function can change on subsequent invocations.\n     * If the time source is
monotonic, it can change only from `true` to `false`, namely, when the time mark becomes behind the current point
of the time source.\n     */\n    public fun hasNotPassedNow(): Boolean =
elapsedNow().isNegative()\n\n\n@ExperimentalTime\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@
Deprecated(\n    "Subtracting one TimeMark from another is not a well defined operation because these time marks
could have been obtained from the different time sources.",\n    level =
DeprecationLevel.ERROR\n)\n\n@Suppress("UNUSED_PARAMETER")\npublic inline operator fun
TimeMark.minus(other: TimeMark): Duration = throw Error("Operation is
disallowed.")\n\n@ExperimentalTime\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Deprecated(\n
"Comparing one TimeMark to another is not a well defined operation because these time marks could have been
obtained from the different time sources.",\n    level =
DeprecationLevel.ERROR\n)\n\n@Suppress("UNUSED_PARAMETER")\npublic inline operator fun
TimeMark.compareTo(other: TimeMark): Int = throw Error("Operation is
disallowed.")\n\n\n@ExperimentalTime\nprivate class AdjustedTimeMark(val mark: TimeMark, val adjustment:
Duration) : TimeMark() {\n    override fun elapsedNow(): Duration = mark.elapsedNow() - adjustment\n\n    override
fun plus(duration: Duration): TimeMark = AdjustedTimeMark(mark, adjustment + duration)\n}\n", /*\n *
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```

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```

package
kotlin.time
@SinceKotlin("1.3")@ExperimentalTime
internal expect object MonotonicTimeSource :
TimeSource {
    /**
     * An abstract class used to implement time sources that return their readings as [Long] values
     in the specified [unit].
     */
    @property unit The unit in which this time source's readings are expressed.
}
@SinceKotlin("1.3")@ExperimentalTime
public abstract class AbstractLongTimeSource(protected val
unit: DurationUnit) : TimeSource {
    /**
     * This protected method should be overridden to return the current
     reading of the time source expressed as a [Long] number
     * in the unit specified by the [unit] property.
     */
    protected abstract fun read(): Long
    private class LongTimeMark(private val startedAt: Long, private val
timeSource: AbstractLongTimeSource, private val offset: Duration) : TimeMark() {
        override fun
elapsedNow(): Duration = (timeSource.read() - startedAt).toDuration(timeSource.unit) - offset
        override fun
plus(duration: Duration): TimeMark = LongTimeMark(startedAt, timeSource, offset + duration)
    }
    override fun
markNow(): TimeMark = LongTimeMark(read(), this, Duration.ZERO)
}
/**
 * An abstract class used to
implement time sources that return their readings as [Double] values in the specified [unit].
 */
@property unit
The unit in which this time source's readings are expressed.
}
@SinceKotlin("1.3")@ExperimentalTime
public abstract class AbstractDoubleTimeSource(protected val
unit: DurationUnit) : TimeSource {
    /**
     * This protected method should be overridden to return the current
     reading of the time source expressed as a [Double] number
     * in the unit specified by the [unit] property.
     */
    protected abstract fun read(): Double
    private class DoubleTimeMark(private val startedAt: Double,
private val timeSource: AbstractDoubleTimeSource, private val offset: Duration) : TimeMark() {
        override fun
elapsedNow(): Duration = (timeSource.read() - startedAt).toDuration(timeSource.unit) - offset
        override fun
plus(duration: Duration): TimeMark = DoubleTimeMark(startedAt, timeSource, offset + duration)
    }
    override fun
markNow(): TimeMark = DoubleTimeMark(read(), this, Duration.ZERO)
}
/**
 * A time source
that has programmatically updatable readings. It is useful as a predictable source of time in tests.
 */
@property unit
The current
reading value can be advanced by the specified duration amount with the operator [plusAssign]:
val
timeSource = TestTimeSource()
timeSource += 10.seconds
/**
 * Implementation note: the current
reading value is stored as a [Long] number of nanoseconds,
 */
thus it's capable to represent a time range of
approximately 1292 years.
 */
Should the reading value overflow as the result of [plusAssign] operation, an
[IllegalStateException] is thrown.
}
@SinceKotlin("1.3")@ExperimentalTime
public class TestTimeSource
: AbstractLongTimeSource(unit = DurationUnit.NANOSECONDS) {
    private var reading: Long = 0L
    override fun
read(): Long = reading
    /**
     * Advances the current reading value of this time source by the
specified [duration].
     */
    * [duration] value is rounded down towards zero when converting it to a [Long]
number of nanoseconds.
     */
    * For example, if the duration being added is `0.6.nanoseconds`, the reading doesn't
advance because
     */
    * the duration value is rounded to zero nanoseconds.
     */
    * @throws
IllegalStateException when the reading value overflows as the result of this operation.
}
public operator fun
plusAssign(duration: Duration) {
    val longDelta = duration.toLong(unit)
    reading = if (longDelta !=
Long.MIN_VALUE && longDelta != Long.MAX_VALUE) {
        // when delta fits in long, add it as long
        val newReading = reading + longDelta
        if (reading xor longDelta >= 0 && reading xor newReading < 0)
overflow(duration)
        newReading
    } else {
        val delta = duration.toDouble(unit)
        // when
delta is greater than long, add it as double
        val newReading = reading + delta
        if (newReading >
Long.MAX_VALUE || newReading < Long.MIN_VALUE) overflow(duration)
        newReading.toLong()
    }
}
private fun overflow(duration: Duration) {
    throw IllegalStateException("TestTimeSource will
overflow if its reading ${reading}ns is advanced by $duration.")
}
}
/**
 * Copyright 2010-2020 JetBrains
s.r.o. and Kotlin Programming Language contributors.
 */
Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.
}
package kotlin.time
import
kotlin.contracts.*
/**
 * Executes the given function [block] and returns the duration of elapsed time interval.
 */
* The elapsed time is measured with [TimeSource.Monotonic].
}
@SinceKotlin("1.3")@ExperimentalTime
public inline fun measureTime(block: () -> Unit): Duration {
    contract {
        callsInPlace(block, InvocationKind.EXACTLY_ONCE)
    }
    return

```





```

return (result as Result<R>).getOrThrow() // done -- final result\n        // The order of comparison is important
here for that case of rogue class with broken equals\n        if (UNDEFINED_RESULT == result) {\n        //
call \"function\" with \"value\" using \"cont\" as completion\n        val r = try {\n        // This is
block.startCoroutine(this, value, cont)\n        function.startCoroutineUninterceptedOrReturn(this, value,
cont)\n        } catch (e: Throwable) {\n        cont.resumeWithException(e)\n        continue\n
}\n        // If the function returns without suspension -- calls its continuation immediately\n        if (r !==
COROUTINE_SUSPENDED)\n        cont.resume(r as R)\n        } else {\n        // we returned from a
crossFunctionCompletion trampoline -- call resume here\n        this.result = UNDEFINED_RESULT // reset
result back\n        cont.resumeWith(result)\n        }\n        }\n        }\n        }\"/>\n        /* Copyright 2010-2022
JetBrains s.r.o. and Kotlin Programming Language contributors.\n        * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n        */\n        // Auto-generated file. DO NOT
EDIT!\n        @file:kotlin.jvm.JvmName(\"NumbersKt\")\n        @file:kotlin.jvm.JvmMultifileClass\n        package
kotlin\n        import kotlin.math.sign\n        /** Divides this value by the other value, flooring the result to an integer that is
closer to negative infinity. */\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun
Byte.floorDiv(other: Byte): Int = \n        this.toInt().floorDiv(other.toInt())\n        /**\n        * Calculates the remainder of
flooring division of this value by the other value.\n        * \n        * The result is either zero or has the same sign as the
_divisor_ and has the absolute value less than the absolute value of the divisor.\n
*/\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun Byte.mod(other: Byte): Byte = \n
this.toInt().mod(other.toInt()).toByte()\n        /** Divides this value by the other value, flooring the result to an integer
that is closer to negative infinity. */\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun
Byte.floorDiv(other: Short): Int = \n        this.toInt().floorDiv(other.toInt())\n        /**\n        * Calculates the remainder of
flooring division of this value by the other value.\n        * \n        * The result is either zero or has the same sign as the
_divisor_ and has the absolute value less than the absolute value of the divisor.\n
*/\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun Byte.mod(other: Short): Short = \n
this.toInt().mod(other.toInt()).toShort()\n        /** Divides this value by the other value, flooring the result to an integer
that is closer to negative infinity. */\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun
Byte.floorDiv(other: Int): Int = \n        this.toInt().floorDiv(other)\n        /**\n        * Calculates the remainder of flooring
division of this value by the other value.\n        * \n        * The result is either zero or has the same sign as the _divisor_ and
has the absolute value less than the absolute value of the divisor.\n
*/\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun Byte.mod(other: Int): Int = \n
this.toInt().mod(other)\n        /** Divides this value by the other value, flooring the result to an integer that is closer to
negative infinity. */\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun Byte.floorDiv(other:
Long): Long = \n        this.toLong().floorDiv(other)\n        /**\n        * Calculates the remainder of flooring division of this
value by the other value.\n        * \n        * The result is either zero or has the same sign as the _divisor_ and has the absolute
value less than the absolute value of the divisor.\n
*/\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun Byte.mod(other: Long): Long = \n
this.toLong().mod(other)\n        /** Divides this value by the other
value, flooring the result to an integer that is closer to negative infinity.
*/\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun Short.floorDiv(other: Byte): Int = \n
this.toInt().floorDiv(other.toInt())\n        /**\n        * Calculates the remainder of flooring division of this value by the other
value.\n        * \n        * The result is either zero or has the same sign as the _divisor_ and has the absolute value less than the
absolute value of the divisor.\n
*/\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun
Short.mod(other: Byte): Byte = \n        this.toInt().mod(other.toInt()).toByte()\n        /** Divides this value by the other
value, flooring the result to an integer that is closer to negative infinity.
*/\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun Short.floorDiv(other: Short): Int = \n
this.toInt().floorDiv(other.toInt())\n        /**\n        * Calculates the remainder of flooring division of this value by the other
value.\n        * \n        * The result is either zero or has the same sign as the _divisor_ and has the absolute value less than the
absolute value of the divisor.\n
*/\n        @SinceKotlin(\"1.5\")\n        @kotlin.internal.InlineOnly\n        public inline fun
Short.mod(other: Short): Short = \n        this.toInt().mod(other.toInt()).toShort()\n        /** Divides this value by the other

```

value, flooring the result to an integer that is closer to negative infinity.

```
*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Short.floorDiv(other: Int): Int = \nthis.toInt().floorDiv(other)\n\n/**\n * Calculates the remainder of flooring division of this value by the other\n * value.\n * \n * The result is either zero or has the same sign as the _divisor_ and has the absolute value less than the\n * absolute value of the divisor.\n */\n\n*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun\nShort.mod(other: Int): Int = \n  this.toInt().mod(other)\n\n/** Divides this value by the other value, flooring the\n * result to an integer that is closer to negative infinity.
```

```
*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Short.floorDiv(other: Long): Long = \nthis.toLong().floorDiv(other)\n\n/**\n * Calculates the remainder of flooring division of this value by the other\n * value.\n * \n * The result is either zero or has the same sign as the _divisor_ and has the absolute value less than the\n * absolute value of the divisor.\n */\n\n*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun\nShort.mod(other: Long): Long = \n  this.toLong().mod(other)\n\n/** Divides this value by the other value, flooring the\n * result to an integer that is closer to negative infinity.
```

```
*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Int.floorDiv(other: Byte): Int = \nthis.floorDiv(other.toInt())\n\n/**\n * Calculates the remainder of flooring division of this value by the other\n * value.\n * \n * The result is either zero or has the same sign as the _divisor_ and has the absolute value less than the\n * absolute value of the divisor.\n */\n\n*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun\nInt.mod(other: Byte): Byte = \n  this.mod(other.toInt()).toByte()\n\n/** Divides this value by the other value,\n * flooring the result to an integer that is closer to negative infinity.
```

```
*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Int.floorDiv(other: Short): Int = \nthis.floorDiv(other.toInt())\n\n/**\n * Calculates the remainder of flooring division of this value by the other\n * value.\n * \n * The result is either zero or has the same sign as the _divisor_ and has the absolute value less than the\n * absolute value of the divisor.\n */\n\n*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun\nInt.mod(other: Short): Short = \n  this.mod(other.toInt()).toShort()\n\n/** Divides this value by the other value,\n * flooring the result to an integer that is closer to negative infinity.
```

```
*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Int.floorDiv(other: Int): Int {\n  var q =\n  this / other\n  if (this xor other < 0 && q * other != this) q--\n  return q\n}\n\n/**\n * Calculates the remainder of\n * flooring division of this value by the other value.\n * \n * The result is either zero or has the same sign as the\n * _divisor_ and has the absolute value less than the absolute value of the divisor.\n */
```

```
*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Int.mod(other: Int): Int {\n  val r = this\n  % other\n  return r + (other and (((r xor other) and (r or -r)) shr 31))\n}\n\n/** Divides this value by the other value,\n * flooring the result to an integer that is closer to negative infinity.
```

```
*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Int.floorDiv(other: Long): Long = \nthis.toLong().floorDiv(other)\n\n/**\n * Calculates the remainder of flooring division of this value by the other\n * value.\n * \n * The result is either zero or has the same sign as the _divisor_ and has the absolute value less than the\n * absolute value of the divisor.\n */\n\n*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun\nInt.mod(other: Long): Long = \n  this.toLong().mod(other)\n\n/** Divides this value by the other value, flooring\n * the result to an integer that is closer to negative infinity.
```

```
*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Long.floorDiv(other: Byte): Long = \nthis.floorDiv(other.toLong())\n\n/**\n * Calculates the remainder of flooring division of this value by the other\n * value.\n * \n * The result is either zero or has the same sign as the _divisor_ and has the absolute value less than the\n * absolute value of the divisor.\n */\n\n*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun\nLong.mod(other: Byte): Byte = \n  this.mod(other.toLong()).toByte()\n\n/** Divides this value by the other value,\n * flooring the result to an integer that is closer to negative infinity.
```

```
*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Long.floorDiv(other: Short): Long = \nthis.floorDiv(other.toLong())\n\n/**\n * Calculates the remainder of flooring division of this value by the other\n * value.\n * \n * The result is either zero or has the same sign as the _divisor_ and has the absolute value less than the\n * absolute value of the divisor.\n */\n\n*\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun
```

```

Long.mod(other: Short): Short = \n    this.mod(other.toLong()).toShort()\n\n/** Divides this value by the other
value, flooring the result to an integer that is closer to negative infinity.
*/\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Long.floorDiv(other: Int): Long = \n
this.floorDiv(other.toLong())\n\n/**\n * Calculates the remainder of flooring division of this value by the other
value.\n * \n * The result is either zero or has the same sign as the _divisor_ and has the absolute value less than the
absolute value of the divisor.\n */\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun
Long.mod(other: Int): Int = \n    this.mod(other.toLong()).toInt()\n\n/** Divides this value by the other value,
flooring the result to an integer that is closer to negative infinity.
*/\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Long.floorDiv(other: Long): Long {\n
var q = this / other\n    if (this xor other < 0 && q * other != this) q--\n    return q}\n\n/**\n * Calculates the
remainder of flooring division of this value by the other value.\n * \n * The result is either zero or has the same sign
as the _divisor_ and has the absolute value less than the absolute value of the divisor.\n
*/\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Long.mod(other: Long): Long {\n    val r
= this % other\n    return r + (other and (((r xor other) and (r or -r)) shr 63))}\n\n/**\n * Calculates the remainder
of flooring division of this value by the other value.\n * \n * The result is either zero or has the same sign as the
_divisor_ and has the absolute value less than the absolute value of the divisor.\n * \n * If the result cannot be
represented exactly, it is rounded to the nearest representable number. In this case the absolute value of the result
can be less than or _equal to_ the absolute value of the divisor.\n
*/\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Float.mod(other: Float): Float {\n    val r
= this % other\n    return if (r != 0.0.toFloat() && r.sign != other.sign) r + other else r}\n\n/**\n * Calculates the
remainder of flooring division of this value by the other value.\n * \n * The result is either zero or has the same sign
as the _divisor_ and has the absolute value less than the absolute value of the divisor.\n * \n * If the result cannot be
represented exactly, it is rounded to the nearest representable number. In this case the absolute value of the result
can be less than or _equal to_ the absolute value of the divisor.\n
*/\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Float.mod(other: Double): Double = \n
this.toDouble().mod(other)\n\n/**\n * Calculates the remainder of flooring division of this value by the other
value.\n * \n * The result is either zero or has the same sign as the _divisor_ and has the absolute value less than the
absolute value of the divisor.\n * \n * If the result cannot be represented exactly, it is rounded to the nearest
representable number. In this case the absolute value of the result can be less than or _equal to_ the absolute value of
the divisor.\n */\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Double.mod(other: Float):
Double = \n    this.mod(other.toDouble())\n\n/**\n * Calculates the remainder of flooring division of this value by
the other value.\n * \n * The result is either zero or has the same sign as the _divisor_ and has the absolute value less
than the absolute value of the divisor.\n * \n * If the result cannot be represented exactly, it is rounded to the nearest
representable number. In this case the absolute value of the result can be less than or _equal to_ the absolute value of
the divisor.\n */\n@SinceKotlin("1.5")\n@kotlin.internal.InlineOnly\npublic inline fun Double.mod(other:
Double): Double {\n    val r = this % other\n    return if (r != 0.0 && r.sign != other.sign) r + other else
r}\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\npackage kotlin\nimport kotlin.internal.InlineOnly\n\n/**\n * Returns a hash code value for the object or
zero if the object is `null`.\n * \n * @see Any.hashCode\n */\n@SinceKotlin("1.3")\n@InlineOnly\npublic inline
fun Any?.hashCode(): Int = this?.hashCode() ?: 0\n\n"/*\n * Copyright 2010-2020 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage kotlin\n\n/**\n * Represents a version of the Kotlin standard
library.\n * \n * [major], [minor] and [patch] are integer components of a version,\n * they must be non-negative and
not greater than 255 ([MAX_COMPONENT_VALUE]).\n * \n * @constructor Creates a version from all three
components.\n */\n@SinceKotlin("1.1")\npublic class KotlinVersion(val major: Int, val minor: Int, val patch: Int) :
Comparable<KotlinVersion> {\n    /**\n     * Creates a version from [major] and [minor] components, leaving
[patch] component zero.\n     */\n    public constructor(major: Int, minor: Int) : this(major, minor, 0)\n    private val

```

```

version = versionOf(major, minor, patch)\n\n private fun versionOf(major: Int, minor: Int, patch: Int): Int {\n
require(major in 0..MAX_COMPONENT_VALUE && minor in 0..MAX_COMPONENT_VALUE && patch in
0..MAX_COMPONENT_VALUE) {\n      \nVersion components are out of range: $major.$minor.$patch"\n
}\n      return major.shl(16) + minor.shl(8) + patch\n  }\n\n /**\n   * Returns the string representation of this
version\n   *\n   override fun toString(): String = "$major.$minor.$patch"\n\n   override fun equals(other:
Any?): Boolean {\n      if (this === other) return true\n      val otherVersion = (other as? KotlinVersion) ?: return
false\n      return this.version == otherVersion.version\n  }\n\n   override fun hashCode(): Int = version\n\n   override fun compareTo(other: KotlinVersion): Int = version - other.version\n\n   /**\n      * Returns `true` if this
version is not less than the version specified\n      * with the provided [major] and [minor] components.\n      *\n   public fun isAtLeast(major: Int, minor: Int): Boolean = // this.version >= versionOf(major, minor, 0)\n
this.major > major || (this.major == major &&\n      this.minor >= minor)\n\n   /**\n      * Returns `true` if this
version is not less than the version specified\n      * with the provided [major], [minor] and [patch] components.\n
*\n   *\n   public fun isAtLeast(major: Int, minor: Int, patch: Int): Boolean = // this.version >= versionOf(major, minor,
patch)\n      this.major > major || (this.major == major &&\n      (this.minor > minor || this.minor == minor
&&\n      this.patch >= patch))\n\n   companion object {\n      /**\n         * Maximum value a version
component can have, a constant value 255.\n         *\n      // NOTE: Must be placed before CURRENT because its
initialization requires this field being initialized in JS\n      public const val MAX_COMPONENT_VALUE =
255\n\n      /**\n         * Returns the current version of the Kotlin standard library.\n         *\n   @kotlin.jvm.JvmField\n      public val CURRENT: KotlinVersion = KotlinVersionCurrentValue.get()\n
}\n}\n\n// this class is ignored during classpath normalization when considering whether to recompile dependencies
in Kotlin build\nprivate object KotlinVersionCurrentValue {\n   @kotlin.jvm.JvmStatic\n   fun get():
KotlinVersion = KotlinVersion(1, 6, 21) // value is written here automatically during build\n},"/*\n * Copyright
2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmName("LateinitKt")\n@file:Suppress("unused")\n\npackage kotlin\n\nimport
kotlin.internal.InlineOnly\nimport kotlin.internal.AccessibleLateinitPropertyLiteral\nimport
kotlin.reflect.KProperty0\n\n/**\n   * Returns `true` if this lateinit property has been assigned a value, and `false`
otherwise.\n   *\n   * Cannot be used in an inline function, to avoid binary compatibility issues.\n
*\n\n@SinceKotlin("1.2")\n@InlineOnly\ninline val @receiver:AccessibleLateinitPropertyLiteral
KProperty0<*>.isInitialized: Boolean\n   get() = throw NotImplementedError("Implementation is
intrinsic")\n},"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use
of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmName("LazyKt")\n@file:kotlin.jvm.JvmMultifileClass\n\npackage kotlin\n\nimport
kotlin.reflect.KProperty\n\n/**\n   * Represents a value with lazy initialization.\n   *\n   * To create an instance of
[Lazy] use the [lazy] function.\n   *\n   public interface Lazy<out T> {\n      /**\n         * Gets the lazily initialized value of
the current Lazy instance.\n         * Once the value was initialized it must not change during the rest of lifetime of this
Lazy instance.\n         *\n      public val value: T\n\n      /**\n         * Returns `true` if a value for this Lazy instance has been
already initialized, and `false` otherwise.\n         * Once this function has returned `true` it stays `true` for the rest of
lifetime of this Lazy instance.\n         *\n      public fun isInitialized(): Boolean\n}\n\n/**\n   * Creates a new instance of
the [Lazy] that is already initialized with the specified [value].\n   *\n   public fun <T> lazyOf(value: T): Lazy<T> =
InitializedLazyImpl(value)\n\n/**\n   * An extension to delegate a read-only property of type [T] to an instance of
[Lazy].\n   *\n   * This extension allows to use instances of Lazy for property delegation:\n   * `val property: String by
lazy { initializer }`\n   *\n   @kotlin.internal.InlineOnly\n   public inline operator fun <T> Lazy<T>.getValue(thisRef:
Any?, property: KProperty<*>): T = value\n\n/**\n   * Specifies how a [Lazy] instance synchronizes initialization
among multiple threads.\n   *\n   public enum class LazyThreadSafetyMode {\n\n      /**\n         * Locks are used to ensure
that only a single thread can initialize the [Lazy] instance.\n         *\n      SYNCHRONIZED,\n\n      /**\n         * Initializer
function can be called several times on concurrent access to uninitialized [Lazy] instance value,\n         * but only the
first returned value will be used as the value of [Lazy] instance.\n         *\n      PUBLICATION,\n\n      /**\n         * No

```

locks are used to synchronize an access to the [Lazy] instance value; if the instance is accessed from multiple threads, its behavior is undefined.

```

 * This mode should not be used unless the [Lazy] instance is
 guaranteed never to be initialized from more than one thread.
 * NONE, internal object
 UNINITIALIZED_VALUE internal to be called from lazy in JS
 internal class UnsafeLazyImpl<out
 T>(initializer: () -> T) : Lazy<T>, Serializable {
 private var initializer: (() -> T)? = initializer
 private var
 _value: Any? = UNINITIALIZED_VALUE
 override val value: T
 get() {
 if (_value ===
 UNINITIALIZED_VALUE) {
 _value = initializer!!
 initializer = null
 }
 @Suppress("UNCHECKED_CAST")
 return _value as T
 }
 override fun isInitialized():
 Boolean = _value != UNINITIALIZED_VALUE
 override fun toString(): String = if (isInitialized())
 value.toString() else "Lazy value not initialized yet."
 private fun writeReplace(): Any =
 InitializedLazyImpl(value)
 }
 internal class InitializedLazyImpl<out T>(override val value: T) : Lazy<T>,
 Serializable {
 override fun isInitialized(): Boolean = true
 override fun toString(): String =
 value.toString()
 }
 }
 * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language
 contributors.
 * Use of this source code is governed by the Apache 2.0 license that can be found in the
 license/LICENSE.txt file.
 */
 @file:kotlin.jvm.JvmMultifileClass
 @file:kotlin.jvm.JvmName("NumbersKt")
 package kotlin
 /**
 Counts the number of set bits in the binary representation of this [Int] number.
 */
 @SinceKotlin("1.4")
 @WasExperimental(ExperimentalStdlibApi::class)
 public expect fun
 Int.countOneBits(): Int
 /**
 Counts the number of consecutive most significant bits that are zero in the binary
 representation of this [Int] number.
 */
 @SinceKotlin("1.4")
 @WasExperimental(ExperimentalStdlibApi::class)
 public expect fun
 Int.countLeadingZeroBits(): Int
 /**
 Counts the number of consecutive least significant bits that are zero in
 the binary representation of this [Int] number.
 */
 @SinceKotlin("1.4")
 @WasExperimental(ExperimentalStdlibApi::class)
 public expect fun
 Int.countTrailingZeroBits(): Int
 /**
 Returns a number having a single bit set in the position of the most
 significant set bit of this [Int] number,
 * or zero, if this number is zero.
 */
 @SinceKotlin("1.4")
 @WasExperimental(ExperimentalStdlibApi::class)
 public expect fun
 Int.takeHighestOneBit(): Int
 /**
 Returns a number having a single bit set in the position of the least
 significant set bit of this [Int] number,
 * or zero, if this number is zero.
 */
 @SinceKotlin("1.4")
 @WasExperimental(ExperimentalStdlibApi::class)
 public expect fun
 Int.takeLowestOneBit(): Int
 /**
 Rotates the binary representation of this [Int] number left by the specified
 [bitCount] number of bits.
 * The most significant bits pushed out from the left side reenter the number as the least
 significant bits on the right side.
 * Rotating the number left by a negative bit count is the same as rotating it
 right by the negated bit count:
 * `number.rotateLeft(-n) == number.rotateRight(n)`
 * Rotating by a multiple
 of [Int.SIZE_BITS] (32) returns the same number, or more generally
 * `number.rotateLeft(n) ==
 number.rotateLeft(n % 32)`
 */
 @SinceKotlin("1.6")
 @WasExperimental(ExperimentalStdlibApi::class)
 public expect fun
 Int.rotateLeft(bitCount: Int): Int
 /**
 Rotates the binary representation of this [Int] number right by the
 specified [bitCount] number of bits.
 * The least significant bits pushed out from the right side reenter the number
 as the most significant bits on the left side.
 * Rotating the number right by a negative bit count is the same as
 rotating it left by the negated bit count:
 * `number.rotateRight(-n) == number.rotateLeft(n)`
 * Rotating by a
 multiple of [Int.SIZE_BITS] (32) returns the same number, or more generally
 * `number.rotateRight(n) ==
 number.rotateRight(n % 32)`
 */
 @SinceKotlin("1.6")
 @WasExperimental(ExperimentalStdlibApi::class)
 public expect fun
 Int.rotateRight(bitCount: Int): Int
 /**
 Counts the number of set bits in the binary representation of this
 [Long] number.
 */
 @SinceKotlin("1.4")
 @WasExperimental(ExperimentalStdlibApi::class)
 public expect
 fun Long.countOneBits(): Int
 /**
 Counts the number of consecutive most significant bits that are zero in the
 binary representation of this [Long] number.
 */

```

\*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic expect fun Long.countLeadingZeroBits(): Int\n\n/\*\*\n \* Counts the number of consecutive least significant bits that are zero in the binary representation of this [Long] number.\n

\*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic expect fun Long.countTrailingZeroBits(): Int\n\n/\*\*\n \* Returns a number having a single bit set in the position of the most significant set bit of this [Long] number,\n \* or zero, if this number is zero.\n

\*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic expect fun Long.takeHighestOneBit(): Long\n\n/\*\*\n \* Returns a number having a single bit set in the position of the least significant set bit of this [Long] number,\n \* or zero, if this number is zero.\n

\*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic expect fun Long.takeLowestOneBit(): Long\n\n/\*\*\n \* Rotates the binary representation of this [Long] number left by the specified [bitCount] number of bits.\n \* The most significant bits pushed out from the left side reenter the number as the least significant bits on the right side.\n \* Rotating the number left by a negative bit count is the same as rotating it right by the negated bit count:\n \* `number.rotateLeft(-n) == number.rotateRight(n)`\n \* Rotating by a multiple of [Long.SIZE\_BITS] (64) returns the same number, or more generally\n \* `number.rotateLeft(n) == number.rotateLeft(n % 64)`\n

\*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic expect fun Long.rotateLeft(bitCount: Int): Long\n\n/\*\*\n \* Rotates the binary representation of this [Long] number right by the specified [bitCount] number of bits.\n \* The least significant bits pushed out from the right side reenter the number as the most significant bits on the left side.\n \* Rotating the number right by a negative bit count is the same as rotating it left by the negated bit count:\n \* `number.rotateRight(-n) == number.rotateLeft(n)`\n \* Rotating by a multiple of [Long.SIZE\_BITS] (64) returns the same number, or more generally\n \* `number.rotateRight(n) == number.rotateRight(n % 64)`\n

\*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic expect fun Long.rotateRight(bitCount: Int): Long\n\n/\*\*\n \* Counts the number of set bits in the binary representation of this [Byte] number.\n

\*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun Byte.countOneBits(): Int = (toInt() and 0xFF).countOneBits()\n\n/\*\*\n \* Counts the number of consecutive most significant bits that are zero in the binary representation of this [Byte] number.\n

\*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun Byte.countLeadingZeroBits(): Int = (toInt() and 0xFF).countLeadingZeroBits() - (Int.SIZE\_BITS - Byte.SIZE\_BITS)\n\n/\*\*\n \* Counts the number of consecutive least significant bits that are zero in the binary representation of this [Byte] number.\n

\*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun Byte.countTrailingZeroBits(): Int = (toInt() or 0x100).countTrailingZeroBits()\n\n/\*\*\n \* Returns a number having a single bit set in the position of the most significant set bit of this [Byte] number,\n \* or zero, if this number is zero.\n

\*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun Byte.takeHighestOneBit(): Byte = (toInt() and 0xFF).takeHighestOneBit().toByte()\n\n/\*\*\n \* Returns a number having a single bit set in the position of the least significant set bit of this [Byte] number,\n \* or zero, if this number is zero.\n

\*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun Byte.takeLowestOneBit(): Byte = toInt().takeLowestOneBit().toByte()\n\n/\*\*\n \* Rotates the binary representation of this [Byte] number left by the specified [bitCount] number of bits.\n \* The most significant bits pushed out from the left side reenter the number as the least significant bits on the right side.\n \* Rotating the number left by a negative bit count is the same as rotating it right by the negated bit count:\n \* `number.rotateLeft(-n) == number.rotateRight(n)`\n \* Rotating by a multiple of [Byte.SIZE\_BITS] (8) returns the same number, or more generally\n \* `number.rotateLeft(n) == number.rotateLeft(n % 8)`\n

```

*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
Byte.rotateLeft(bitCount: Int): Byte =\n    (toInt().shl(bitCount and 7) or (toInt() and 0xFF).ushr(8 - (bitCount and
7))).toByte()\n\n/**\n * Rotates the binary representation of this [Byte] number right by the specified [bitCount]
number of bits.\n * The least significant bits pushed out from the right side reenter the number as the most
significant bits on the left side.\n * Rotating the number right by a negative bit count is the same as rotating it
left by the negated bit count:\n * `number.rotateRight(-n) == number.rotateLeft(n)`\n * Rotating by a multiple of
[Byte.SIZE_BITS] (8) returns the same number, or more generally\n * `number.rotateRight(n) ==
number.rotateRight(n % 8)`\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
Byte.rotateRight(bitCount: Int): Byte =\n    (toInt().shl(8 - (bitCount and 7)) or (toInt() and 0xFF).ushr(bitCount and
7)).toByte()\n\n/**\n * Counts the number of set bits in the binary representation of this [Short] number.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun Short.countOneBits(): Int = (toInt() and 0xFFFF).countOneBits()\n\n/**\n * Counts the number of
consecutive most significant bits that are zero in the binary representation of this [Short] number.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun Short.countLeadingZeroBits(): Int =\n    (toInt() and 0xFFFF).countLeadingZeroBits() - (Int.SIZE_BITS
- Short.SIZE_BITS)\n\n/**\n * Counts the number of consecutive least significant bits that are zero in the binary
representation of this [Short] number.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun Short.countTrailingZeroBits(): Int = (toInt() or 0x10000).countTrailingZeroBits()\n\n/**\n * Returns a
number having a single bit set in the position of the most significant set bit of this [Short] number,\n * or zero, if this
number is zero.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun Short.takeHighestOneBit(): Short = (toInt() and 0xFFFF).takeHighestOneBit().toShort()\n\n/**\n *
Returns a number having a single bit set in the position of the least significant set bit of this [Short] number,\n * or
zero, if this number is zero.\n
*\n@SinceKotlin("1.4")\n@WasExperimental(ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npubli
c inline fun Short.takeLowestOneBit(): Short = toInt().takeLowestOneBit().toShort()\n\n/**\n * Rotates the binary
representation of this [Short] number left by the specified [bitCount] number of bits.\n * The most significant bits
pushed out from the left side reenter the number as the least significant bits on the right side.\n * Rotating the
number left by a negative bit count is the same as rotating it right by the negated bit count:\n * `number.rotateLeft(-
n) == number.rotateRight(n)`\n * Rotating by a multiple of [Short.SIZE_BITS] (16) returns the same number, or
more generally\n * `number.rotateLeft(n) == number.rotateLeft(n % 16)`\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
Short.rotateLeft(bitCount: Int): Short =\n    (toInt().shl(bitCount and 15) or (toInt() and 0xFFFF).ushr(16 - (bitCount
and 15))).toShort()\n\n/**\n * Rotates the binary representation of this [Short] number right by the specified
[bitCount] number of bits.\n * The least significant bits pushed out from the right side reenter the number as the
most significant bits on the left side.\n * Rotating the number right by a negative bit count is the same as rotating
it left by the negated bit count:\n * `number.rotateRight(-n) == number.rotateLeft(n)`\n * Rotating by a multiple
of [Short.SIZE_BITS] (16) returns the same number, or more generally\n * `number.rotateRight(n) ==
number.rotateRight(n % 16)`\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class)\npublic fun
Short.rotateRight(bitCount: Int): Short =\n    (toInt().shl(16 - (bitCount and 15)) or (toInt() and
0xFFFF).ushr(bitCount and 15)).toShort()\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin\nimport kotlin.internal.RequireKotlin\nimport
kotlin.internal.RequireKotlinVersionKind\n\n@kotlin.internal.InlineOnly\n@SinceKotlin("1.2")\n@Suppress("IN
VISIBLE_MEMBER", "INVISIBLE_REFERENCE")\n@RequireKotlin("1.2.30", level =

```



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element is greater than the last element.\n    * Progression with a negative step is empty if its first element is less
than the last element.\n    *^n    public open fun isEmpty(): Boolean = if (step > 0) first > last else first < last\n\n
override fun equals(other: Any?): Boolean =\n        other is UIntProgression && (isEmpty() && other.isEmpty()) ||\n            first == other.first && last == other.last && step == other.step)\n\n    override fun hashCode(): Int =\n        if (isEmpty()) -1 else (31 * (31 * first.toInt() + last.toInt()) + step.toInt())\n\n    override fun toString(): String = if
(step > 0) \"$first..$last step $step\" else \"$first downTo $last step ${-step}\"\n\n    companion object {\n        /**\n        * Creates UIntProgression within the specified bounds of a closed range.\n        * The progression starts with
the [rangeStart] value and goes toward the [rangeEnd] value not excluding it, with the specified [step].\n        * In
order to go backwards the [step] must be negative.\n        * [step] must be greater than `Int.MIN_VALUE`
and not equal to zero.\n        *^n        public fun fromClosedRange(rangeStart: UInt, rangeEnd: UInt, step: Int):
UIntProgression = UIntProgression(rangeStart, rangeEnd, step)\n    }\n\n    /** An iterator over a progression
of values of type `UInt`.\n    * @property step the number by which the value is incremented on each step.\n
*^n    @SinceKotlin(\"1.3\")\n    @Suppress(\"DEPRECATION_ERROR\")\n    private class UIntProgressionIterator(first:
UInt, last: UInt, step: Int) : UIntIterator() {\n        private val finalElement = last\n        private var hasNext: Boolean = if
(step > 0) first <= last else first >= last\n        private val step = step.toUInt() // use 2-complement math for negative
steps\n        private var next = if (hasNext) first else finalElement\n        override fun hasNext(): Boolean = hasNext\n
        override fun nextUInt(): UInt {\n            val value = next\n            if (value == finalElement) {\n                if (!hasNext)
throw kotlin.NoSuchElementException()\n                hasNext = false\n            } else {\n                next += step\n            }\n
return value\n        }\n    }\n\n    /** Copyright 2010-2022 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n    * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n    */\n\n    // Auto-generated file. DO NOT EDIT!\n\n    package kotlin.collections\n\n    /** An
iterator over a sequence of values of type `UByte`.\n    *^n    @Deprecated(\"This class is not going to be stabilized and is
to be removed soon.\", level = DeprecationLevel.ERROR)\n    @SinceKotlin(\"1.3\")\n    public abstract class
UByteIterator : Iterator<UByte> {\n        final override fun next() = nextUByte()\n        /** Returns the next value in the
sequence without boxing. *\n        public abstract fun nextUByte(): UByte\n    }\n\n    /** An iterator over a sequence of
values of type `UShort`.\n    *^n    @Deprecated(\"This class is not going to be stabilized and is to be removed soon.\",
level = DeprecationLevel.ERROR)\n    @SinceKotlin(\"1.3\")\n    public abstract class UShortIterator : Iterator<UShort>
{\n        final override fun next() = nextUShort()\n        /** Returns the next value in the sequence without boxing. *\n
        public abstract fun nextUShort(): UShort\n    }\n\n    /** An iterator over a sequence of values of type `UInt`.\n
*^n    @Deprecated(\"This class is not going to be stabilized and is to be removed soon.\", level =
DeprecationLevel.ERROR)\n    @SinceKotlin(\"1.3\")\n    public abstract class UIntIterator : Iterator<UInt> {\n        final
override fun next() = nextUInt()\n        /** Returns the next value in the sequence without boxing. *\n        public
abstract fun nextUInt(): UInt\n    }\n\n    /** An iterator over a sequence of values of type `ULong`.\n    *^n    @Deprecated(\"This class is not going to be stabilized and is to be removed soon.\", level =
DeprecationLevel.ERROR)\n    @SinceKotlin(\"1.3\")\n    public abstract class ULongIterator : Iterator<ULong> {\n        final
override fun next() = nextULong()\n        /** Returns the next value in the sequence without boxing. *\n        public
abstract fun nextULong(): ULong\n    }\n\n    /** Copyright 2010-2022 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n    * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n    */\n\n    // Auto-generated file. DO NOT EDIT!\n\n    package
kotlin.ranges\n\n    import kotlin.internal.*\n\n    /** A range of values of type `ULong`.\n    *^n    @SinceKotlin(\"1.5\")\n    @WasExperimental(ExperimentalUnsignedTypes::class)\n    public class
ULongRange(start: ULong, endInclusive: ULong) : ULongProgression(start, endInclusive, 1),
ClosedRange<ULong> {\n        override val start: ULong get() = first\n        override val endInclusive: ULong get() =
last\n        override fun contains(value: ULong): Boolean = first <= value && value <= last\n        /** \n        * Checks
if the range is empty.\n        * The range is empty if its start value is greater than the end value.\n        *^n
        override fun isEmpty(): Boolean = first > last\n        override fun equals(other: Any?): Boolean =\n            other is
ULongRange && (isEmpty() && other.isEmpty()) ||\n                first == other.first && last == other.last)\n\n        override fun hashCode(): Int =\n            if (isEmpty()) -1 else (31 * (first xor (first shr 32)).toInt() + (last xor (last shr

```

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32)).toInt())\n\n override fun toString(): String = \"$first..$last\"\n\n companion object {\n\n /** An empty
range of values of type ULong. */\n\n public val EMPTY: ULongRange = ULongRange(ULong.MAX_VALUE,
ULong.MIN_VALUE)\n\n }\n\n}\n\n/**\n * A progression of values of type `ULong`.\n
*/\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic open class
ULongProgression\n\ninternal constructor(\n\n start: ULong,\n\n endInclusive: ULong,\n\n step: Long)\n :
Iterable<ULong> {\n\n init {\n\n if (step == 0.toLong()) throw kotlin.IllegalArgumentException(\"Step must be
non-zero.\")\n\n if (step == Long.MIN_VALUE) throw kotlin.IllegalArgumentException(\"Step must be greater
than Long.MIN_VALUE to avoid overflow on negation.\")\n\n }\n\n }\n\n /**\n * The first element in the
progression.\n\n */\n\n public val first: ULong = start\n\n /**\n * The last element in the progression.\n\n */\n\n
public val last: ULong = getProgressionLastElement(start, endInclusive, step)\n\n /**\n * The step of the
progression.\n\n */\n\n public val step: Long = step\n\n final override fun iterator(): Iterator<ULong> =
ULongProgressionIterator(first, last, step)\n\n /**\n * Checks if the progression is empty.\n\n */\n\n *
Progression with a positive step is empty if its first element is greater than the last element.\n\n * Progression with a
negative step is empty if its first element is less than the last element.\n\n */\n\n public open fun isEmpty(): Boolean
= if (step > 0) first > last else first < last\n\n override fun equals(other: Any?): Boolean =\n\n other is
ULongProgression && (isEmpty() && other.isEmpty()) ||\n\n first == other.first && last == other.last &&
step == other.step)\n\n override fun hashCode(): Int =\n\n if (isEmpty()) -1 else (31 * (31 * (first xor (first shr
32)).toInt() + (last xor (last shr 32)).toInt()) + (step xor (step ushr 32)).toInt())\n\n override fun toString(): String =
if (step > 0) \"$first..$last step $step\" else \"$first downTo $last step ${-step}\"\n\n companion object {\n\n
/**\n * Creates ULongProgression within the specified bounds of a closed range.\n\n * The progression
starts with the [rangeStart] value and goes toward the [rangeEnd] value not excluding it, with the specified [step].\n\n
* In order to go backwards the [step] must be negative.\n\n * [step] must be greater than
`Long.MIN_VALUE` and not equal to zero.\n\n */\n\n public fun fromClosedRange(rangeStart: ULong,
rangeEnd: ULong, step: Long): ULongProgression = ULongProgression(rangeStart, rangeEnd, step)\n\n
}\n\n}\n\n}\n\n/**\n * An iterator over a progression of values of type `ULong`.\n\n * @property step the number by which
the value is incremented on each step.\n\n */\n\n@SinceKotlin("1.3")\n@Suppress("DEPRECATION_ERROR")\nprivate class
ULongProgressionIterator(first: ULong, last: ULong, step: Long) : ULongIterator() {\n\n private val finalElement =
last\n\n private var hasNext: Boolean = if (step > 0) first <= last else first >= last\n\n private val step =
step.toULong() // use 2-complement math for negative steps\n\n private var next = if (hasNext) first else
finalElement\n\n override fun hasNext(): Boolean = hasNext\n\n override fun nextULong(): ULong {\n\n val
value = next\n\n if (value == finalElement) {\n\n if (!hasNext) throw kotlin.NoSuchElementException()\n\n
hasNext = false\n\n } else {\n\n next += step\n\n }\n\n return value\n\n }\n\n}\n\n}\n\n}\n\n"/*\n * Copyright
2010-2021 JetBrains s.r.o. and Kotlin Programming Language contributors.\n\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n\n */\n\npackage kotlin.math\n\n/**\n *
Returns the smaller of two values.\n\n */\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\n
public inline fun min(a: UInt, b: UInt): UInt {\n\n return minOf(a, b)\n\n }\n\n}\n\n}\n\n}\n\n"/*\n * Returns the smaller of two
values.\n\n */\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\n
public inline fun min(a: ULong, b: ULong): ULong {\n\n return minOf(a, b)\n\n }\n\n}\n\n}\n\n}\n\n"/*\n * Returns the greater of
two values.\n\n */\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\n
public inline fun max(a: UInt, b: UInt): UInt {\n\n return maxOf(a, b)\n\n }\n\n}\n\n}\n\n}\n\n"/*\n * Returns the greater of two
values.\n\n */\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\n
public inline fun max(a: ULong, b: ULong): ULong {\n\n return maxOf(a, b)\n\n }\n\n}\n\n}\n\n}\n\n"/*\n * Copyright 2010-2021
JetBrains s.r.o. and Kotlin Programming Language contributors.\n\n * Use of this source code is governed by the

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Apache 2.0 license that can be found in the license/LICENSE.txt file.\n

```
*\n\n@file:kotlin.jvm.JvmName("\nUNumbersKt\n")\npackage kotlin\n\n/**\n * Counts the number of set bits in the binary representation of this [UInt] number.\n
```

```
*\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,\nExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UInt.countOneBits(): Int =\ntoInt().countOneBits()\n\n/**\n * Counts the number of consecutive most significant bits that are zero in the binary representation of this [UInt] number.\n
```

```
*\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,\nExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UInt.countLeadingZeroBits(): Int =\ntoInt().countLeadingZeroBits()\n\n/**\n * Counts the number of consecutive least significant bits that are zero in the binary representation of this [UInt] number.\n
```

```
*\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,\nExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UInt.countTrailingZeroBits(): Int =\ntoInt().countTrailingZeroBits()\n\n/**\n * Returns a number having a single bit set in the position of the most significant set bit of this [UInt] number,\n * or zero, if this number is zero.\n
```

```
*\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,\nExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UInt.takeHighestOneBit(): UInt =\ntoInt().takeHighestOneBit().toInt()\n\n/**\n * Returns a number having a single bit set in the position of the least significant set bit of this [UInt] number,\n * or zero, if this number is zero.\n
```

```
*\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,\nExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UInt.takeLowestOneBit(): UInt =\ntoInt().takeLowestOneBit().toInt()\n\n/**\n * Rotates the binary representation of this [UInt] number left by the specified [bitCount] number of bits.\n * The most significant bits pushed out from the left side reenter the number as the least significant bits on the right side.\n * Rotating the number left by a negative bit count is the same as rotating it right by the negated bit count:\n * `number.rotateLeft(-n) == number.rotateRight(n)`\n * Rotating by a multiple of [UInt.SIZE_BITS] (32) returns the same number, or more generally\n * `number.rotateLeft(n) ==\n
```

```
number.rotateLeft(n % 32)`\n\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class,\nExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline fun UInt.rotateLeft(bitCount: Int): UInt =\ntoInt().rotateLeft(bitCount).toInt()\n\n/**\n * Rotates the binary representation of this [UInt] number right by the specified [bitCount] number of bits.\n * The least significant bits pushed out from the right side reenter the number as the most significant bits on the left side.\n * Rotating the number right by a negative bit count is the same as rotating it left by the negated bit count:\n * `number.rotateRight(-n) == number.rotateLeft(n)`\n * Rotating by a multiple of [UInt.SIZE_BITS] (32) returns the same number, or more generally\n * `number.rotateRight(n) == number.rotateRight(n % 32)`\n
```

```
*\n\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class,\nExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline fun UInt.rotateRight(bitCount: Int): UInt =\ntoInt().rotateRight(bitCount).toInt()\n\n/**\n * Counts the number of set bits in the binary representation of this [ULong] number.\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,\nExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun ULong.countOneBits(): Int =\ntoLong().countOneBits()\n\n/**\n * Counts the number of consecutive most significant bits that are zero in the binary representation of this [ULong] number.\n
```

```
*\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,\nExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun ULong.countLeadingZeroBits(): Int =\ntoLong().countLeadingZeroBits()\n\n/**\n * Counts the number of consecutive least significant bits that are zero in the binary representation of this [ULong] number.\n
```

```
*\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,\nExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun ULong.countTrailingZeroBits(): Int =\ntoLong().countTrailingZeroBits()\n\n/**\n * Returns a number having a single bit set in the position of the most
```

significant set bit of this [ULong] number,\n \* or zero, if this number is zero.\n

```
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun ULong.takeHighestOneBit(): ULong
= toLong().takeHighestOneBit().toULong()\n\n/**\n * Returns a number having a single bit set in the position of the
least significant set bit of this [ULong] number,\n * or zero, if this number is zero.\n
```

```
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun ULong.takeLowestOneBit(): ULong
= toLong().takeLowestOneBit().toULong()\n\n/**\n * Rotates the binary representation of this [ULong] number left
by the specified [bitCount] number of bits.\n * The most significant bits pushed out from the left side reenter the
number as the least significant bits on the right side.\n * \n * Rotating the number left by a negative bit count is the
same as rotating it right by the negated bit count:\n * `number.rotateLeft(-n) == number.rotateRight(n)`\n * \n * Rotating by a multiple of [ULong.SIZE_BITS] (64) returns the same number, or more generally\n *
`number.rotateLeft(n) == number.rotateLeft(n % 64)`\n
```

```
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class,
ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline fun ULong.rotateLeft(bitCount:
Int): ULong = toLong().rotateLeft(bitCount).toULong()\n\n/**\n * Rotates the binary representation of this [ULong]
number right by the specified [bitCount] number of bits.\n * The least significant bits pushed out from the right side
reenter the number as the most significant bits on the left side.\n * \n * Rotating the number right by a negative bit
count is the same as rotating it left by the negated bit count:\n * `number.rotateRight(-n) == number.rotateLeft(n)`\n
*\n * Rotating by a multiple of [ULong.SIZE_BITS] (64) returns the same number, or more generally\n *
`number.rotateRight(n) == number.rotateRight(n % 64)`\n
```

```
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class,
ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline fun ULong.rotateRight(bitCount:
Int): ULong = toLong().rotateRight(bitCount).toULong()\n\n/**\n * Counts the number of set bits in the binary
representation of this [UByte] number.\n
```

```
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UByte.countOneBits(): Int =
toUInt().countOneBits()\n\n/**\n * Counts the number of consecutive most significant bits that are zero in the
binary representation of this [UByte] number.\n
```

```
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UByte.countLeadingZeroBits(): Int =
toByte().countLeadingZeroBits()\n\n/**\n * Counts the number of consecutive least significant bits that are zero in
the binary representation of this [UByte] number.\n
```

```
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UByte.countTrailingZeroBits(): Int =
toByte().countTrailingZeroBits()\n\n/**\n * Returns a number having a single bit set in the position of the most
significant set bit of this [UByte] number,\n * or zero, if this number is zero.\n
```

```
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UByte.takeHighestOneBit(): UByte
= toInt().takeHighestOneBit().toUByte()\n\n/**\n * Returns a number having a single bit set in the position of the
least significant set bit of this [UByte] number,\n * or zero, if this number is zero.\n
```

```
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UByte.takeLowestOneBit(): UByte =
toInt().takeLowestOneBit().toUByte()\n\n/**\n * Rotates the binary representation of this [UByte] number left by
the specified [bitCount] number of bits.\n * The most significant bits pushed out from the left side reenter the
number as the least significant bits on the right side.\n * \n * Rotating the number left by a negative bit count is the
same as rotating it right by the negated bit count:\n * `number.rotateLeft(-n) == number.rotateRight(n)`\n * \n * Rotating by a multiple of [UByte.SIZE_BITS] (8) returns the same number, or more generally\n *
`number.rotateLeft(n) == number.rotateLeft(n % 8)`\n
```

```

`number.rotateLeft(n) == number.rotateLeft(n % 8)`\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class,
ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline fun UByte.rotateLeft(bitCount:
Int): UByte = toByte().rotateLeft(bitCount).toUByte()\n\n/**\n * Rotates the binary representation of this [UByte]
number right by the specified [bitCount] number of bits.\n * The least significant bits pushed out from the right side
reenter the number as the most significant bits on the left side.\n * \n * Rotating the number right by a negative bit
count is the same as rotating it left by the negated bit count:\n * `number.rotateRight(-n) == number.rotateLeft(n)`\n
*\n * Rotating by a multiple of [UByte.SIZE_BITS] (8) returns the same number, or more generally\n *
`number.rotateRight(n) == number.rotateRight(n % 8)`\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class,
ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline fun UByte.rotateRight(bitCount:
Int): UByte = toByte().rotateRight(bitCount).toUByte()\n\n/**\n * Counts the number of set bits in the binary
representation of this [UShort] number.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UShort.countOneBits(): Int =
toUInt().countOneBits()\n\n/**\n * Counts the number of consecutive most significant bits that are zero in the
binary representation of this [UShort] number.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UShort.countLeadingZeroBits(): Int
= toShort().countLeadingZeroBits()\n\n/**\n * Counts the number of consecutive least significant bits that are zero
in the binary representation of this [UShort] number.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UShort.countTrailingZeroBits(): Int
= toShort().countTrailingZeroBits()\n\n/**\n * Returns a number having a single bit set in the position of the most
significant set bit of this [UShort] number,\n * or zero, if this number is zero.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UShort.takeHighestOneBit(): UShort
= toInt().takeHighestOneBit().toUShort()\n\n/**\n * Returns a number having a single bit set in the position of the
least significant set bit of this [UShort] number,\n * or zero, if this number is zero.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class,
ExperimentalStdlibApi::class)\n@kotlin.internal.InlineOnly\npublic inline fun UShort.takeLowestOneBit(): UShort
= toInt().takeLowestOneBit().toUShort()\n\n/**\n * Rotates the binary representation of this [UShort] number left
by the specified [bitCount] number of bits.\n * The most significant bits pushed out from the left side reenter the
number as the least significant bits on the right side.\n * \n * Rotating the number left by a negative bit count is
the same as rotating it right by the negated bit count:\n * `number.rotateLeft(-n) == number.rotateRight(n)`\n * \n
*\n * Rotating by a multiple of [UShort.SIZE_BITS] (16) returns the same number, or more generally\n *
`number.rotateLeft(n) == number.rotateLeft(n % 16)`\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class,
ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline fun UShort.rotateLeft(bitCount:
Int): UShort = toShort().rotateLeft(bitCount).toUShort()\n\n/**\n * Rotates the binary representation of this
[UShort] number right by the specified [bitCount] number of bits.\n * The least significant bits pushed out from the
right side reenter the number as the most significant bits on the left side.\n * \n * Rotating the number right by a
negative bit count is the same as rotating it left by the negated bit count:\n * `number.rotateRight(-n) ==
number.rotateLeft(n)`\n * \n * Rotating by a multiple of [UShort.SIZE_BITS] (16) returns the same number, or more
generally\n * `number.rotateRight(n) == number.rotateRight(n % 16)`\n
*\n@SinceKotlin("1.6")\n@WasExperimental(ExperimentalStdlibApi::class,
ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly\npublic inline fun UShort.rotateRight(bitCount:
Int): UShort = toShort().rotateRight(bitCount).toUShort()\n\n"/>\n * Copyright 2010-2021 JetBrains s.r.o. and Kotlin

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Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n *^\n\npackage kotlin.internal\n\n// (a - b) mod c\nprivate fun
differenceModulo(a: UInt, b: UInt, c: UInt): UInt {\n    val ac = a % c\n    val bc = b % c\n    return if (ac >= bc) ac -
bc else ac - bc + c\n}\n\nprivate fun differenceModulo(a: ULong, b: ULong, c: ULong): ULong {\n    val ac = a %
c\n    val bc = b % c\n    return if (ac >= bc) ac - bc else ac - bc + c\n}\n\n/**\n * Calculates the final element of a
bounded arithmetic progression, i.e. the last element of the progression which is in the range\n * from [start] to [end]
in case of a positive [step], or from [end] to [start] in case of a negative\n * [step].\n * No validation on passed
parameters is performed. The given parameters should satisfy the condition:\n * - either `step > 0` and `start <=
end`,\n * - or `step < 0` and `start >= end`.\n * @param start first element of the progression\n * @param end
ending bound for the progression\n * @param step increment, or difference of successive elements in the
progression\n * @return the final element of the progression\n * @suppress\n
*/\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal fun getProgressionLastElement(start: UInt, end: UInt, step:
Int): UInt = when {\n    step > 0 -> if (start >= end) end else end - differenceModulo(end, start, step.toUInt())\n
step < 0 -> if (start <= end) end else end + differenceModulo(start, end, (-step).toUInt())\n    else -> throw
kotlin.IllegalArgumentException("Step is zero.")\n}\n\n/**\n * Calculates the final element of a bounded
arithmetic progression, i.e. the last element of the progression which is in the range\n * from [start] to [end] in case
of a positive [step], or from [end] to [start] in case of a negative\n * [step].\n * No validation on passed
parameters is performed. The given parameters should satisfy the condition:\n * - either `step > 0` and `start <=
end`,\n * - or `step < 0` and `start >= end`.\n * @param start first element of the progression\n * @param end
ending bound for the progression\n * @param step increment, or difference of successive elements in the
progression\n * @return the final element of the progression\n * @suppress\n
*/\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal fun getProgressionLastElement(start: ULong, end: ULong,
step: Long): ULong = when {\n    step > 0 -> if (start >= end) end else end - differenceModulo(end, start,
step.toULong())\n    step < 0 -> if (start <= end) end else end + differenceModulo(start, end, (-step).toULong())\n
else -> throw kotlin.IllegalArgumentException("Step is zero.")\n}\n\n"/*\n * Copyright 2010-2021 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n *^\n\n@file:kotlin.jvm.JvmName("UStringsKt") // string
representation of unsigned numbers\n\npackage kotlin.text\n\n/**\n * Returns a string representation of this [Byte]
value in the specified [radix].\n * @throws IllegalArgumentException when [radix] is not a valid radix for
number to string conversion.\n
*/\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly
\npublic /*inline*/ fun UByte.toString(radix: Int): String = this.toInt().toString(radix)\n\n/**\n * Returns a string
representation of this [Short] value in the specified [radix].\n * @throws IllegalArgumentException when [radix]
is not a valid radix for number to string conversion.\n
*/\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly
\npublic /*inline*/ fun UShort.toString(radix: Int): String = this.toInt().toString(radix)\n\n/**\n * Returns a string
representation of this [Int] value in the specified [radix].\n * @throws IllegalArgumentException when [radix] is
not a valid radix for number to string conversion.\n
*/\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\n@kotlin.internal.InlineOnly
\npublic /*inline*/ fun UInt.toString(radix: Int): String = this.toLong().toString(radix)\n\n/**\n * Returns a string
representation of this [Long] value in the specified [radix].\n * @throws IllegalArgumentException when [radix]
is not a valid radix for number to string conversion.\n
*/\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
ULong.toString(radix: Int): String = ulongToString(this.toLong(), checkRadix(radix))\n\n/**\n * Parses the string
as a signed [UByte] number and returns the result.\n * @throws NumberFormatException if the string is not a valid
representation of a number.\n
*/\n\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun String.toUByte():
UByte = toUByteOrNull() ?: numberFormatException(this)\n\n/**\n * Parses the string as a signed [UByte] number and

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returns the result.\n * @throws NumberFormatException if the string is not a valid representation of a number.\n *
@throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toUByte(radix: Int): UByte = toUByteOrNull(radix) ?: numberFormatError(this)\n\n/**\n * Parses the
string as a [UShort] number and returns the result.\n * @throws NumberFormatException if the string is not a valid
representation of a number.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun String.toUShort():
UShort = toUShortOrNull() ?: numberFormatError(this)\n\n/**\n * Parses the string as a [UShort] number and
returns the result.\n * @throws NumberFormatException if the string is not a valid representation of a number.\n *
@throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toUShort(radix: Int): UShort = toUShortOrNull(radix) ?: numberFormatError(this)\n\n/**\n * Parses the
string as an [UInt] number and returns the result.\n * @throws NumberFormatException if the string is not a valid
representation of a number.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun String.toUInt():
UInt = toUIntOrNull() ?: numberFormatError(this)\n\n/**\n * Parses the string as an [UInt] number and returns the
result.\n * @throws NumberFormatException if the string is not a valid representation of a number.\n * @throws
IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toUInt(radix: Int): UInt = toUIntOrNull(radix) ?: numberFormatError(this)\n\n/**\n * Parses the string as a
[ULong] number and returns the result.\n * @throws NumberFormatException if the string is not a valid
representation of a number.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun String.toULong():
ULong = toULongOrNull() ?: numberFormatError(this)\n\n/**\n * Parses the string as a [ULong] number and
returns the result.\n * @throws NumberFormatException if the string is not a valid representation of a number.\n *
@throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toULong(radix: Int): ULong = toULongOrNull(radix) ?: numberFormatError(this)\n\n\n/**\n * Parses
the string as an [UByte] number and returns the result\n * or `null` if the string is not a valid representation of a
number.\n *\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toUByteOrNull(): UByte? = toUByteOrNull(radix = 10)\n\n/**\n * Parses the string as an [UByte] number
and returns the result\n * or `null` if the string is not a valid representation of a number.\n *\n@throws
IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toUByteOrNull(radix: Int): UByte? {
    val int = this.toUIntOrNull(radix) ?: return null\n    if (int >
    UByte.MAX_VALUE) return null\n    return int.toUByte()\n}\n\n/**\n * Parses the string as an [UShort] number
and returns the result\n * or `null` if the string is not a valid representation of a number.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toUShortOrNull(): UShort? = toUShortOrNull(radix = 10)\n\n/**\n * Parses the string as an [UShort] number
and returns the result\n * or `null` if the string is not a valid representation of a number.\n *\n@throws
IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toUShortOrNull(radix: Int): UShort? {
    val int = this.toUIntOrNull(radix) ?: return null\n    if (int >
    UShort.MAX_VALUE) return null\n    return int.toUShort()\n}\n\n/**\n * Parses the string as an [UInt] number and
returns the result\n * or `null` if the string is not a valid representation of a number.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toUIntOrNull(): UInt? = toUIntOrNull(radix = 10)\n\n/**\n * Parses the string as an [UInt] number and
returns the result\n * or `null` if the string is not a valid representation of a number.\n *\n@throws

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IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toUIntOrNull(radix: Int): UInt? {\n    checkRadix(radix)\n\n    val length = this.length\n    if (length == 0)
return null\n\n    val limit: UInt = UInt.MAX_VALUE\n    val start: Int\n\n    val firstChar = this[0]\n    if (firstChar
< '0') {\n        if (length == 1 || firstChar != '+') return null\n        start = 1\n    } else {\n        start = 0\n    }\n\n    val
limitForMaxRadix = 119304647u // limit / 36\n\n    var limitBeforeMul = limitForMaxRadix\n    val uradix =
radix.toUInt()\n    var result = 0u\n    for (i in start until length) {\n        val digit = digitOf(this[i], radix)\n\n        if
(digit < 0) return null\n        if (result > limitBeforeMul) {\n            if (limitBeforeMul == limitForMaxRadix) {\n
                limitBeforeMul = limit / uradix\n\n                if (result > limitBeforeMul) {\n                    return null\n
                }\n            } else {\n                return null\n            }\n        }\n\n        result *= uradix\n\n        val beforeAdding =
result\n        result += digit.toUInt()\n        if (result < beforeAdding) return null // overflow has happened\n    }\n\n    return result\n}\n\n/**\n * Parses the string as an [ULong] number and returns the result\n * or `null` if the string is
not a valid representation of a number.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toULongOrNull(): ULong? = toULongOrNull(radix = 10)\n\n/**\n * Parses the string as an [ULong] number
and returns the result\n * or `null` if the string is not a valid representation of a number.\n * @throws
IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*\n@SinceKotlin("1.5")\n@WasExperimental(ExperimentalUnsignedTypes::class)\npublic fun
String.toULongOrNull(radix: Int): ULong? {\n    checkRadix(radix)\n\n    val length = this.length\n    if (length ==
0) return null\n\n    val limit: ULong = ULong.MAX_VALUE\n    val start: Int\n\n    val firstChar = this[0]\n    if
(firstChar < '0') {\n        if (length == 1 || firstChar != '+') return null\n        start = 1\n    } else {\n        start = 0\n
    }\n\n    val limitForMaxRadix = 512409557603043100uL // limit / 36\n\n    var limitBeforeMul =
limitForMaxRadix\n    val uradix = radix.toULong()\n    var result = 0uL\n    for (i in start until length) {\n        val
digit = digitOf(this[i], radix)\n\n        if (digit < 0) return null\n        if (result > limitBeforeMul) {\n            if
(limitBeforeMul == limitForMaxRadix) {\n                limitBeforeMul = limit / uradix\n\n                if (result >
limitBeforeMul) {\n                    return null\n                }\n            } else {\n                return null\n            }\n
        }\n\n        result *= uradix\n\n        val beforeAdding = result\n        result += digit.toUInt()\n        if (result <
beforeAdding) return null // overflow has happened\n    }\n\n    return result\n}\n\n"/**\n * Copyright 2010-2018
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n@file:Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")\npackage kotlin\n\nimport
kotlin.annotation.AnnotationTarget.\n\nimport kotlin.internal.RequireKotlin\n\nimport
kotlin.internal.RequireKotlinVersionKind\n\n/**\n * Marks the API that is dependent on the experimental unsigned
types, including those types themselves.\n * Usages of such API will be reported as warnings unless an explicit
opt-in with\n * the [OptIn] annotation, e.g. `@OptIn(ExperimentalUnsignedTypes::class)`,\n * or with the `opt-in=kotlin.ExperimentalUnsignedTypes`\n * compiler option is given.\n * It's recommended to propagate the
experimental status to the API that depends on unsigned types by annotating it with this annotation.\n
*\n@RequiresOptIn(level = RequiresOptIn.Level.WARNING)\n@MustBeDocumented\n@Target(CLASS,
ANNOTATION_CLASS, PROPERTY, FIELD, LOCAL_VARIABLE, VALUE_PARAMETER,
CONSTRUCTOR, FUNCTION, PROPERTY_GETTER, PROPERTY_SETTER,
TYPEALIAS)\n@Retention(AnnotationRetention.BINARY)\n@RequireKotlin("1.2.50", versionKind =
RequireKotlinVersionKind.COMPILER_VERSION)\npublic annotation class ExperimentalUnsignedTypes\n\n"/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code
is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("MathKt")\npackage
kotlin.math\n\n// constants, can't use them from nativeMath as they are not constants there\n\n/** Ratio of the
circumference of a circle to its diameter, approximately 3.14159. *\n@SinceKotlin("1.2")\npublic const val PI:
Double = 3.141592653589793\n\n/** Base of the natural logarithms, approximately 2.71828.

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*\/n@SinceKotlin("1.2")\npublic const val E: Double = 2.718281828459045\n\n// region =====
Double Math =====\n\n** Computes the sine of the angle [x]
given in radians.\n *\/n * Special cases:\n * - `sin(NaN|+Inf|-Inf)` is `NaN`\n *\/n@SinceKotlin("1.2")\npublic
expect fun sin(x: Double): Double\n\n** Computes the cosine of the angle [x] given in radians.\n *\/n * Special
cases:\n * - `cos(NaN|+Inf|-Inf)` is `NaN`\n *\/n@SinceKotlin("1.2")\npublic expect fun cos(x: Double):
Double\n\n** Computes the tangent of the angle [x] given in radians.\n *\/n * Special cases:\n * - `tan(NaN|+Inf|-
Inf)` is `NaN`\n *\/n@SinceKotlin("1.2")\npublic expect fun tan(x: Double): Double\n\n**\n *\/n * Computes the arc
sine of the value [x];\n * the returned value is an angle in the range from `-PI/2` to `PI/2` radians.\n *\/n * Special
cases:\n * - `asin(x)` is `NaN`, when `abs(x) > 1` or x is `NaN`\n *\/n@SinceKotlin("1.2")\npublic expect fun
asin(x: Double): Double\n\n**\n *\/n * Computes the arc cosine of the value [x];\n * the returned value is an angle in
the range from `0.0` to `PI` radians.\n *\/n * Special cases:\n * - `acos(x)` is `NaN`, when `abs(x) > 1` or x is
`NaN`\n *\/n@SinceKotlin("1.2")\npublic expect fun acos(x: Double): Double\n\n**\n *\/n * Computes the arc tangent
of the value [x];\n * the returned value is an angle in the range from `-PI/2` to `PI/2` radians.\n *\/n * Special cases:\n
* - `atan(NaN)` is `NaN`\n *\/n@SinceKotlin("1.2")\npublic expect fun atan(x: Double): Double\n\n**\n *\/n *
Returns the angle `theta` of the polar coordinates `(r, theta)` that correspond\n * to the rectangular coordinates `(x,
y)` by computing the arc tangent of the value [y] / [x];\n * the returned value is an angle in the range from `-PI` to
`PI` radians.\n *\/n * Special cases:\n * - `atan2(0.0, 0.0)` is `0.0`\n * - `atan2(0.0, x)` is `0.0` for `x > 0` and `PI`
for `x < 0`\n * - `atan2(-0.0, x)` is `-0.0` for `x > 0` and `-PI` for `x < 0`\n * - `atan2(y, +Inf)` is `0.0` for `0 < y <
+Inf` and `-0.0` for `-Inf < y < 0`\n * - `atan2(y, -Inf)` is `PI` for `0 < y < +Inf` and `-PI` for `-Inf < y < 0`\n * -
`atan2(y, 0.0)` is `PI/2` for `y > 0` and `-PI/2` for `y < 0`\n * - `atan2(+Inf, x)` is `PI/2` for finite `x`\n * -
`atan2(-Inf, x)` is `-PI/2` for finite `x`\n * - `atan2(NaN, x)` and `atan2(y, NaN)` is `NaN`\n
*\/n@SinceKotlin("1.2")\npublic expect fun atan2(y: Double, x: Double): Double\n\n**\n *\/n * Computes the
hyperbolic sine of the value [x].\n *\/n * Special cases:\n * - `sinh(NaN)` is `NaN`\n * - `sinh(+Inf)` is `+Inf`\n *
- `sinh(-Inf)` is `-Inf`\n *\/n@SinceKotlin("1.2")\npublic expect fun sinh(x: Double): Double\n\n**\n *\/n * Computes
the hyperbolic cosine of the value [x].\n *\/n * Special cases:\n * - `cosh(NaN)` is `NaN`\n * - `cosh(+Inf|-Inf)` is
`+Inf`\n *\/n@SinceKotlin("1.2")\npublic expect fun cosh(x: Double): Double\n\n**\n *\/n * Computes the hyperbolic
tangent of the value [x].\n *\/n * Special cases:\n * - `tanh(NaN)` is `NaN`\n * - `tanh(+Inf)` is `1.0`\n * - `tanh(-
Inf)` is `-1.0`\n *\/n@SinceKotlin("1.2")\npublic expect fun tanh(x: Double): Double\n\n**\n *\/n * Computes the
inverse hyperbolic sine of the value [x].\n *\/n * The returned value is `y` such that `sinh(y) == x`.\n *\/n * Special
cases:\n * - `asinh(NaN)` is `NaN`\n * - `asinh(+Inf)` is `+Inf`\n * - `asinh(-Inf)` is `-Inf`\n
*\/n@SinceKotlin("1.2")\npublic expect fun asinh(x: Double): Double\n\n**\n *\/n * Computes the inverse hyperbolic
cosine of the value [x].\n *\/n * The returned value is positive `y` such that `cosh(y) == x`.\n *\/n * Special cases:\n
* - `acosh(NaN)` is `NaN`\n * - `acosh(x)` is `NaN` when `x < 1`\n * - `acosh(+Inf)` is `+Inf`\n
*\/n@SinceKotlin("1.2")\npublic expect fun acosh(x: Double): Double\n\n**\n *\/n * Computes the inverse hyperbolic
tangent of the value [x].\n *\/n * The returned value is `y` such that `tanh(y) == x`.\n *\/n * Special cases:\n * -
`tanh(NaN)` is `NaN`\n * - `tanh(x)` is `NaN` when `x > 1` or `x < -1`\n * - `tanh(1.0)` is `+Inf`\n * - `tanh(-
1.0)` is `-Inf`\n *\/n@SinceKotlin("1.2")\npublic expect fun atanh(x: Double): Double\n\n**\n *\/n * Computes
`sqrt(x^2 + y^2)` without intermediate overflow or underflow.\n *\/n * Special cases:\n * - returns `+Inf` if any of
arguments is infinite\n * - returns `NaN` if any of arguments is `NaN` and the other is not infinite\n
*\/n@SinceKotlin("1.2")\npublic expect fun hypot(x: Double, y: Double): Double\n\n**\n *\/n * Computes the
positive square root of the value [x].\n *\/n * Special cases:\n * - `sqrt(x)` is `NaN` when `x < 0` or `x` is `NaN`\n
*\/n@SinceKotlin("1.2")\npublic expect fun sqrt(x: Double): Double\n\n**\n *\/n * Computes Euler's number `e`
raised to the power of the value [x].\n *\/n * Special cases:\n * - `exp(NaN)` is `NaN`\n * - `exp(+Inf)` is `+Inf`\n
* - `exp(-Inf)` is `0.0`\n *\/n@SinceKotlin("1.2")\npublic expect fun exp(x: Double): Double\n\n**\n *\/n *
Computes `exp(x) - 1`.\n *\/n * This function can be implemented to produce more precise result for [x] near zero.\n
*\/n * Special cases:\n * - `expm1(NaN)` is `NaN`\n * - `expm1(+Inf)` is `+Inf`\n * - `expm1(-Inf)` is `-1.0`\n *\/n
* @see [exp] function.\n *\/n@SinceKotlin("1.2")\npublic expect fun expm1(x: Double): Double\n\n**\n *\/n *
Computes the logarithm of the value [x] to the given [base].\n *\/n * Special cases:\n * - `log(x, b)` is `NaN` if

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either `x` or `b` are `NaN` `log(x, b)` is `NaN` when `x < 0` or `b <= 0` or `b == 1.0` `log(+Inf, +Inf)` is `NaN` `log(+Inf, b)` is `+Inf` for `b > 1` and `-Inf` for `b < 1` `log(0.0, b)` is `-Inf` for `b > 1` and `+Inf` for `b < 1` `See also logarithm functions for common fixed bases: [ln], [log10] and [log2].`

```

*^@SinceKotlin("1.2")\npublic expect fun log(x: Double, base: Double): Double\n/**\n * Computes the natural logarithm (base `E`) of the value [x].\n * Special cases:\n * - `ln(NaN)` is `NaN`\n * - `ln(x)` is `NaN` when `x < 0.0`\n * - `ln(+Inf)` is `+Inf`\n * - `ln(0.0)` is `-Inf`\n *^@SinceKotlin("1.2")\npublic expect fun ln(x: Double): Double\n/**\n * Computes the common logarithm (base 10) of the value [x].\n * @see [ln] function for special cases.\n *^@SinceKotlin("1.2")\npublic expect fun log10(x: Double): Double\n/**\n * Computes the binary logarithm (base 2) of the value [x].\n * @see [ln] function for special cases.\n *^@SinceKotlin("1.2")\npublic expect fun log2(x: Double): Double\n/**\n * Computes `ln(x + 1)`.\n * This function can be implemented to produce more precise result for [x] near zero.\n * Special cases:\n * - `ln1p(NaN)` is `NaN`\n * - `ln1p(x)` is `NaN` where `x < -1.0`\n * - `ln1p(-1.0)` is `-Inf`\n * - `ln1p(+Inf)` is `+Inf`\n * @see [ln] function\n * @see [expm1] function\n *^@SinceKotlin("1.2")\npublic expect fun ln1p(x: Double): Double\n/**\n * Rounds the given value [x] to an integer towards positive infinity.\n * @return the smallest double value that is greater than or equal to the given value [x] and is a mathematical integer.\n * Special cases:\n * - `ceil(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n *^@SinceKotlin("1.2")\npublic expect fun ceil(x: Double): Double\n/**\n * Rounds the given value [x] to an integer towards negative infinity.\n * @return the largest double value that is smaller than or equal to the given value [x] and is a mathematical integer.\n * Special cases:\n * - `floor(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n *^@SinceKotlin("1.2")\npublic expect fun floor(x: Double): Double\n/**\n * Rounds the given value [x] to an integer towards zero.\n * @return the value [x] having its fractional part truncated.\n * Special cases:\n * - `truncate(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n *^@SinceKotlin("1.2")\npublic expect fun truncate(x: Double): Double\n/**\n * Rounds the given value [x] towards the closest integer with ties rounded towards even integer.\n * Special cases:\n * - `round(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n *^@SinceKotlin("1.2")\npublic expect fun round(x: Double): Double\n/**\n * Returns the absolute value of the given value [x].\n * Special cases:\n * - `abs(NaN)` is `NaN`\n * @see absoluteValue extension property for [Double]\n *^@SinceKotlin("1.2")\npublic expect fun abs(x: Double): Double\n/**\n * Returns the sign of the given value [x]:\n * - `-1.0` if the value is negative,\n * - zero if the value is zero,\n * - `1.0` if the value is positive\n * Special case:\n * - `sign(NaN)` is `NaN`\n *^@SinceKotlin("1.2")\npublic expect fun sign(x: Double): Double\n/**\n * Returns the smaller of two values.\n * Special case:\n * - If either value is `NaN`, then the result is `NaN`.\n *^@SinceKotlin("1.2")\npublic expect fun min(a: Double, b: Double): Double\n/**\n * Returns the greater of two values.\n * Special case:\n * - If either value is `NaN`, then the result is `NaN`.\n *^@SinceKotlin("1.2")\npublic expect fun max(a: Double, b: Double): Double\n/**\n * Raises this value to the power [x].\n * Special cases:\n * - `b.pow(0.0)` is `1.0`\n * - `b.pow(1.0) == b`\n * - `b.pow(NaN)` is `NaN`\n * - `NaN.pow(x)` is `NaN` for `x != 0.0`\n * - `b.pow(Inf)` is `NaN` for `abs(b) == 1.0`\n * - `b.pow(x)` is `NaN` for `b < 0` and `x` is finite and not an integer\n *^@SinceKotlin("1.2")\npublic expect fun Double.pow(x: Double): Double\n/**\n * Raises this value to the integer power [n].\n * Special case:\n * - See the other overload of [pow] for details.\n *^@SinceKotlin("1.2")\npublic expect fun Double.pow(n: Int): Double\n/**\n * Returns the absolute value of this value.\n * Special cases:\n * - `NaN.absoluteValue` is `NaN`\n * @see abs function\n *^@SinceKotlin("1.2")\npublic expect val Double.absoluteValue: Double\n/**\n * Returns the sign of this value:\n * - `-1.0` if the value is negative,\n * - zero if the value is zero,\n * - `1.0` if the value is positive\n * Special case:\n * - `NaN.sign` is `NaN`\n *^@SinceKotlin("1.2")\npublic expect val Double.sign: Double\n/**\n * Returns this value with the sign bit same as of the [sign] value.\n * Special case:\n * - If [sign] is `NaN` the sign of the result is undefined.\n *^@SinceKotlin("1.2")\npublic expect fun Double.withSign(sign: Double): Double\n/**\n * Returns this value with the sign bit same as of the [sign] value.\n *^@SinceKotlin("1.2")\npublic expect fun Double.withSign(sign: Int): Double\n/**\n * Returns the ulp (unit in the last place) of this value.\n * Special case:\n * - An ulp is a positive distance

```

between this value and the next nearest [Double] value larger in magnitude.

`* @SinceKotlin("1.2")\npublic expect val Double.ulp: Double`

`* Returns the [Double] value nearest to this value in direction of positive infinity.`

`* @SinceKotlin("1.2")\npublic expect fun Double.nextUp(): Double`

`* Returns the [Double] value nearest to this value in direction of negative infinity.`

`* @SinceKotlin("1.2")\npublic expect fun Double.nextDown(): Double`

`* Returns the [Double] value nearest to this value in direction from this value towards the value [to].`

`* Special cases:`

- `-`x.nextTowards(y)` is `NaN` if either `x` or `y` are `NaN``
- `-`x.nextTowards(x) == x``

`* @SinceKotlin("1.2")\npublic expect fun Double.nextTowards(to: Double): Double`

`* Rounds this [Double] value to the nearest integer and converts the result to [Int].`

`* Ties are rounded towards positive infinity.`

`* Special cases:`

- `-`x.roundToInt() == Int.MAX_VALUE` when `x > Int.MAX_VALUE``
- `-`x.roundToInt() == Int.MIN_VALUE` when `x < Int.MIN_VALUE``

`* @throws IllegalArgumentException when this value is `NaN``

`* @SinceKotlin("1.2")\npublic expect fun Double.roundToInt(): Int`

`* Rounds this [Double] value to the nearest integer and converts the result to [Long].`

`* Ties are rounded towards positive infinity.`

`* Special cases:`

- `-`x.roundToLong() == Long.MAX_VALUE` when `x > Long.MAX_VALUE``
- `-`x.roundToLong() == Long.MIN_VALUE` when `x < Long.MIN_VALUE``

`* @throws IllegalArgumentException when this value is `NaN``

`* @SinceKotlin("1.2")\npublic expect fun Double.roundToLong(): Long`

`// endregion`

`==== Float Math`

`====\n\n** Computes the sine of the angle [x] given in radians.`

`* Special cases:`

- `-`sin(NaN|+Inf|-Inf)` is `NaN``

`* @SinceKotlin("1.2")\npublic expect fun sin(x: Float): Float`

`** Computes the cosine of the angle [x] given in radians.`

`* Special cases:`

- `-`cos(NaN|+Inf|-Inf)` is `NaN``

`* @SinceKotlin("1.2")\npublic expect fun cos(x: Float): Float`

`** Computes the tangent of the angle [x] given in radians.`

`* Special cases:`

- `-`tan(NaN|+Inf|-Inf)` is `NaN``

`* @SinceKotlin("1.2")\npublic expect fun tan(x: Float): Float`

`** Computes the arc sine of the value [x];`

`* the returned value is an angle in the range from  $-\pi/2$  to  $\pi/2$  radians.`

`* Special cases:`

- `-`asin(x)` is `NaN`, when  $abs(x) > 1$  or  $x$  is `NaN``

`* @SinceKotlin("1.2")\npublic expect fun asin(x: Float): Float`

`** Computes the arc cosine of the value [x];`

`* the returned value is an angle in the range from  $0.0$  to  $\pi$  radians.`

`* Special cases:`

- `-`acos(x)` is `NaN`, when  $abs(x) > 1$  or  $x$  is `NaN``

`* @SinceKotlin("1.2")\npublic expect fun acos(x: Float): Float`

`** Computes the arc tangent of the value [x];`

`* the returned value is an angle in the range from  $-\pi/2$  to  $\pi/2$  radians.`

`* Special cases:`

- `-`atan(NaN)` is `NaN``

`* @SinceKotlin("1.2")\npublic expect fun atan(x: Float): Float`

`** Returns the angle  $\theta$  of the polar coordinates  $(r, \theta)$  that correspond`

`* to the rectangular coordinates  $(x, y)$  by computing the arc tangent of the value  $[y] / [x]$ ;`

`* the returned value is an angle in the range from  $-\pi$  to  $\pi$  radians.`

`* Special cases:`

- `-`atan2(0.0, 0.0)` is  $0.0$`
- `-`atan2(0.0, x)` is  $0.0$  for  $x > 0$  and  $\pi$  for  $x < 0$`
- `-`atan2(-0.0, x)` is  $-0.0$  for  $x > 0$  and  $-\pi$  for  $x < 0$`
- `-`atan2(y, +Inf)` is  $0.0$  for  $0 < y < +Inf$  and  $-0.0$  for  $-Inf < y < 0$`
- `-`atan2(y, -Inf)` is  $\pi$  for  $0 < y < +Inf$  and  $-\pi$  for  $-Inf < y < 0$`
- `-`atan2(y, 0.0)` is  $\pi/2$  for  $y > 0$  and  $-\pi/2$  for  $y < 0$`
- `-`atan2(+Inf, x)` is  $\pi/2$  for finite  $x$`
- `-`atan2(-Inf, x)` is  $-\pi/2$  for finite  $x`$`
- `-`atan2(NaN, x)` and atan2(y, NaN)` is `NaN``

`* @SinceKotlin("1.2")\npublic expect fun atan2(y: Float, x: Float): Float`

`** Computes the hyperbolic sine of the value [x].`

`* Special cases:`

- `-`sinh(NaN)` is `NaN``
- `-`sinh(+Inf)` is  $+Inf$`
- `-`sinh(-Inf)` is  $-Inf$`

`* @SinceKotlin("1.2")\npublic expect fun sinh(x: Float): Float`

`** Computes the hyperbolic cosine of the value [x].`

`* Special cases:`

- `-`cosh(NaN)` is `NaN``
- `-`cosh(+Inf|-Inf)` is  $+Inf$`

`* @SinceKotlin("1.2")\npublic expect fun cosh(x: Float): Float`

`** Computes the hyperbolic tangent of the value [x].`

`* Special cases:`

- `-`tanh(NaN)` is `NaN``
- `-`tanh(+Inf)` is  $1.0$`
- `-`tanh(-Inf)` is  $-1.0$`

`* @SinceKotlin("1.2")\npublic expect fun tanh(x: Float): Float`

`** Computes the inverse hyperbolic sine of the value [x].`

`* The returned value is  $y$  such that  $sinh(y) == x$ .`

`* Special cases:`

- `-`asinh(NaN)` is `NaN``
- `-`asinh(+Inf)` is  $+Inf$`
- `-`asinh(-Inf)` is  $-Inf$`

`* @SinceKotlin("1.2")\npublic expect fun asinh(x: Float): Float`

`** Computes the inverse hyperbolic`

cosine of the value [x].  
`acosh(x)` The returned value is positive `y` such that `cosh(y) == x`.  
Special cases:  
`acosh(NaN)` is `NaN`  
`acosh(x)` is `NaN` when `x < 1`  
`acosh(+Inf)` is `+Inf`

`atanh(x)` public expect fun `atanh(x: Float): Float`  
Computes the inverse hyperbolic tangent of the value [x].  
The returned value is `y` such that `tanh(y) == x`.  
Special cases:  
`atanh(NaN)` is `NaN`  
`atanh(x)` is `NaN` when `x > 1` or `x < -1`  
`atanh(1.0)` is `+Inf`  
`atanh(-1.0)` is `-Inf`

`atanh2(x, y)` public expect fun `atanh2(x: Float, y: Float): Float`  
Computes `sqrt(x^2 + y^2)` without intermediate overflow or underflow.  
Special cases:  
returns `+Inf` if any of arguments is infinite  
returns `NaN` if any of arguments is `NaN` and the other is not infinite

`hypot(x, y)` public expect fun `hypot(x: Float, y: Float): Float`  
Computes the positive square root of the value [x].  
Special cases:  
`hypot(x)` is `NaN` when `x < 0` or `x` is `NaN`

`exp(x)` public expect fun `exp(x: Float): Float`  
Computes Euler's number `e` raised to the power of the value [x].  
Special cases:  
`exp(NaN)` is `NaN`  
`exp(+Inf)` is `+Inf`  
`exp(-Inf)` is `0.0`

`expm1(x)` public expect fun `expm1(x: Float): Float`  
Computes `exp(x) - 1`.  
This function can be implemented to produce more precise result for [x] near zero.  
Special cases:  
`expm1(NaN)` is `NaN`  
`expm1(+Inf)` is `+Inf`  
`expm1(-Inf)` is `-1.0`  
@see [exp] function.

`log(x, base)` public expect fun `log(x: Float, base: Float): Float`  
Computes the logarithm of the value [x] to the given [base].  
Special cases:  
`log(x, b)` is `NaN` if either `x` or `b` are `NaN`  
`log(x, b)` is `NaN` when `x < 0` or `b <= 0` or `b == 1.0`  
`log(+Inf, +Inf)` is `NaN`  
`log(+Inf, b)` is `+Inf` for `b > 1` and `-Inf` for `b < 1`  
`log(0.0, b)` is `-Inf` for `b > 1` and `+Inf` for `b > 1`  
See also logarithm functions for common fixed bases: [ln], [log10] and [log2].

`ln(x)` public expect fun `ln(x: Float): Float`  
Computes the natural logarithm (base 'E') of the value [x].  
Special cases:  
`ln(NaN)` is `NaN`  
`ln(x)` is `NaN` when `x < 0.0`  
`ln(+Inf)` is `+Inf`  
`ln(0.0)` is `-Inf`

`log10(x)` public expect fun `log10(x: Float): Float`  
Computes the common logarithm (base 10) of the value [x].  
@see [ln] function for special cases.

`log2(x)` public expect fun `log2(x: Float): Float`  
Computes the binary logarithm (base 2) of the value [x].  
@see [ln] function for special cases.

`log2p(x)` public expect fun `log2p(x: Float): Float`  
Computes `ln(a + 1)`.  
This function can be implemented to produce more precise result for [x] near zero.  
Special cases:  
`log2p(NaN)` is `NaN`  
`log2p(x)` is `NaN` where `x < -1.0`  
`log2p(-1.0)` is `-Inf`  
`log2p(+Inf)` is `+Inf`  
@see [ln] function  
@see [expm1] function

`ln1p(x)` public expect fun `ln1p(x: Float): Float`  
Rounds the given value [x] to an integer towards positive infinity.  
@return the smallest Float value that is greater than or equal to the given value [x] and is a mathematical integer.  
Special cases:  
`ceil(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.

`floor(x)` public expect fun `floor(x: Float): Float`  
Rounds the given value [x] to an integer towards negative infinity.  
@return the largest Float value that is smaller than or equal to the given value [x] and is a mathematical integer.  
Special cases:  
`floor(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.

`trunc(x)` public expect fun `trunc(x: Float): Float`  
Rounds the given value [x] to an integer towards zero.  
@return the value [x] having its fractional part truncated.  
Special cases:  
`truncate(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.

`round(x)` public expect fun `round(x: Float): Float`  
Rounds the given value [x] towards the closest integer with ties rounded towards even integer.  
Special cases:  
`round(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.

`abs(x)` public expect fun `abs(x: Float): Float`  
Returns the absolute value of the given value [x].  
Special cases:  
`abs(NaN)` is `NaN`  
@see absoluteValue extension property for [Float]

`sign(x)` public expect fun `sign(x: Float): Float`  
Returns the sign of the given value [x]:  
`-1.0` if the value is negative,  
zero if the value is zero,  
`1.0` if the value is positive  
Special case:  
`sign(NaN)` is `NaN`

`min(x, y)` public expect fun `min(x: Float, y: Float): Float`  
Returns the smaller of two values.  
If either value is `NaN`, then the result is `NaN`.



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,S;QAAS,a;:QAZA,U;QAAA,SAaqB,Mabf,OAAN,GAAa,CAAb,I;QAAb,aAAU,CAAV,mB;UAakC,MAZ9B,CA  
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;MAKiB,IAAN,I;MAFP,aAAa,IAAb,WAAa,CAAD,IAAC,C;MACb,gBAakB,W;MAEd,IADS,IACt,mBADs,IA  
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;UACJ,IAAK,WAAI,IAAJ,C;;QAET,OAAO,I;O;KAZX,C;IAoBA,+B;MAII,IAAI,wCAASB,kBAAQ,CAAI,C;Q  
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kB,O;;MACtB,OAAO,M;K;IAGX,kC;MAMoB,UACL,M;MAHX,aAAa,cAAU,cAAV,C;MACb,YAAy,C;MACI,2  
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;UACZ,kBA2F0B,O;UA1FV,2B;UAAhB,OAAGB,cAAhB,C;YAAgB,yB;YACZ,cAyF+B,SAzFjB,EAAU,cAAV,E  
AAU,sBAAV,WAAmB,WAA1B,EAAgC,OAAhC,C;YACd,MAAO,WAAI,WAAJ,C;;UAEX,4BAAO,M;;;QAsFP,  
gC;O;KAFJ,C;kFAkBA,+B;MAOoB,Q;MADhB,UAAe,C;MACC,2B;MAAhB,OAAGB,cAAhB,C;QAAGB,yB;QA  
CZ,YAAO,SAAS,OAAT,CAAP,I;;MAEJ,OAAO,G;K;8FAGX,+B;MAOoB,Q;MADhB,UAAkB,G;MACF,2B;MA  
AhB,OAAGB,cAAhB,C;QAAGB,yB;QACZ,OAAO,SAAS,OAAT,C;;MAEX,OAAO,G;K;mFAGX,+B;MAUoB,Q;  
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AAO,G;K;mFAGX,+B;MAUoB,Q;MADhB,UAAe,C;MACC,2B;MAAhB,OAAGB,cAAhB,C;QAAGB,yB;QACZ,  
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B,Y;QACgB,2B;QAAhB,OAAGB,cAAhB,C;UAAgB,yB;UACZ,cAAO,SAAS,OAAT,CAAP,C;;QAEJ,OAAO,G;O  
;KAbX,C;mFAgBA,yB;MjB/7EA,6B;MiB+7EA,sC;QAWoB,Q;QADhB,UjB/7EmC,ciB+7EnB,CjB/7EmB,C;QiB  
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C;QAWoB,Q;QADhB,UD58EqC,eAAW,oBC48E/B,CD58E+B,CAAX,C;QC68ErB,2B;QAAhB,OAAGB,cAAhB,  
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;QcmxFvD,OAAO,G;O;KADx,C;IAiBA,qC;MAIoB,UAMT,M;MANS,2B;MAAhB,OAAGB,cAAhB,C;QAAGB,y  
B;QACZ,IAAI,eAAJ,C;UACI,MAAM,gCAAyB,2BAAwB,SAAXB,MAAZB,C;;MAId,OAAO,mE;K;IAGX,qC;M  
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B,kBAAhB,QAAS,O;QAAPB,MAAO,WjB0PiD,SAAK,eAAL,EAAU,iBAAV,CiB1PjD,C;;MACO,QAAT,QAAS,  
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ApCX,C;4FAUA,yB;MAAA,+D;MAAA,uC;QAOW,kBAAa,gB;QA4EJ,Q;QAAA,OjBkKoE,iBAAQ,W;QiBIK5F,  
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IB,qBA AO,O;;;MI1pDP,yB;K;8FAGJ,+B;MAQmB,kBAAR,iB;MAAQ,sB;;;QJkoDf,eAAe,sB;QACf,IAAI,CAAC,  
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iB;MM2LA,sC;QJmqDI,eItpDO,iBJspDQ,W;QACf,IAAI,CAAC,QAAS,UAA d,C;UAAyB,MAAM,6B;QAC/B,eI  
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,MAAM,6B;QAC/B,eI/pDqB,QJ+pDN,CAAS,QAAS,OAAIB,C;QACf,OAAO,QAAS,UAAhB,C;UACI,QIjqDiB,Q  
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KI1rDX,C;+FAcA,yB;MN9MA,iB;MM8MA,sC;QAWmB,kBAAR,iB;QAAQ,sB;;;UJsqDf,eAAe,sB;UACf,IAAI,C  
AAC,QAAS,UAA d,C;YAAyB,qBA AO,I;YAAP,uB;;;UACzB,eIxD2B,QJwqDZ,CAAS,QAAS,OAAIB,C;UACf,O  
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WmB,kBAAR,iB;QAAQ,sB;;;UJ6qDf,eAAe,sB;UACf,IAAI,CAAC,QAAS,UAA d,C;YAAyB,qBA AO,I;YAAP,uB;  
;UACzB,eI/qD2B,QJ+qDZ,CAAS,QAAS,OAAIB,C;UACf,OAAO,QAAS,UAAhB,C;YACI,QIjrDuB,QJirDf,CAA  
S,QAAS,OAAIB,C;YACR,WF55DG,MAAO,KE45DO,QF55DP,EE45DiB,CF55DjB,C;;;UE85Dd,qBA AO,Q;;;QIpr  
DP,yB;O;KAXJ,C;+FAcA,+B;MASmB,kBAAR,iB;MAAQ,sB;;;QJorDf,eAAe,sB;QACf,IAAI,CAAC,QAAS,UAA  
d,C;UAAyB,qBA AO,I;UAAP,uB;;;QACzB,eItrD2B,QJsrDZ,CAAS,QAAS,OAAIB,C;QACf,OAAO,QAAS,UAAh  
B,C;UACI,QIxrDuB,QJwrDf,CAAS,QAAS,OAAIB,C;UACR,IAAI,2BAAW,CAAX,KA AJ,C;YACI,WAAW,C;;;Q  
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QAGnB,yBA AO,Q;;;MI/sDP,6B;K;sFAGJ,yB;MAOA,8D;MAPA,wC;QAIL,OASe,cAAR,iBAAQ,EATM,UASN,C  
;O;KAbnB,C;kGAOA,yB;MAAA,8D;MAAA,wC;QAMI,OAAe,cAAR,iBAAQ,EAac,UAA d,C;O;KANnB,C;kFA  
SA,+B;MAcmB,kBAAR,iB;MAAQ,sB;;;QJwxDf,eAAe,sB;QACf,IAAI,CAAC,QAAS,UAA d,C;UAAyB,qBA AO,I;  
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IB,qBA AO,O;;;MIryDP,yB;K;mFAGJ,yB;MJqyDA,sE;MF14DA,iB;MM6FA,sC;QJkzDI,eIryDO,iBJqyDQ,W;QAC  
f,IAAI,CAAC,QAAS,UAA d,C;UAAyB,MAAM,6B;QAC/B,eIvyDqB,QJuyDN,CAAS,QAAS,OAAIB,C;QACf,OA  
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BS,eoCmgBC,EpCngBD,CoCmgBT,C;W;S;OAAF,C;MAP/B,uC;QAOMB,kBAAR,iB;QAAQ,sB;;UtCo2BD,Q;U  
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YAAK,KAAL,CEX2CoB,CoCmgBT,CtCq2BzB,C;cACI,qBAAO,K;cAAP,uB;;;UAGR,qBAAO,E;;;QsCz2BP,yB;  
O;KAPJ,C;+FAUA,yB;MAAA,sC;MtCy2BA,0D;MAAA,+C;MI52CA,iC;MkCmgBA,yBAO+B,yB;QIC1gB/B,iC;e  
kC0gB+B,6B;UAAA,qB;YAAE,yBlChgBY,gBkCggBF,ElChgBE,CkCggBZ,C;W;S;OAAF,C;MAP/B,uC;QAOMB  
,kBAAR,iB;QAAQ,sB;;UtCs2BD,Q;UAAA,OAAQ,SAAR,wBAAQ,CAAR,W;UAAAd,OAAc,cAAd,C;YAAc,uB;Y  
ACV,IsCv2ByB,UlChgBY,gBJu2CvB,YAAK,KAAL,CiV2CuB,CkCggBZ,CtCu2BzB,C;cACI,qBAAO,K;cAAP,u  
B;;;UAGR,qBAAO,E;;;QsC32BP,yB;O;KAPJ,C;+FAUA,yB;MAAA,4C;MnC5eA,6B;MmC4eA,4B;QAWI,OnC7e  
mC,cmC6epB,KAAR,iBAAQ,CnC7eoB,C;O;KmCkevC,C;+FAUA,yB;MAAA,4C;MnB3eA,+B;MmB2eA,4B;QAW  
I,OnB5esC,emB4evB,KAAR,iBAAQ,CnB5euB,C;O;KmBie1C,C;+FAUA,yB;MAAA,4C;MpCtjBA,+B;MoCs  
jBA,4B;QAWI,OpCvjBsC,eoCujvB,KAAR,iBAAQ,CpCvjBuB,C;O;KoC4iB1C,C;+FAUA,yB;MAAA,4C;MICvj  
BA,iC;MkCujBA,4B;QAWI,OICxjByC,gBkCwjB1B,KAAR,iBAAQ,CiCxB0B,C;O;KkC6iB7C,C;+FAUA,yB;MAAA,+C;  
MAAA,iE;MA83FI,0D;MA93FJ,uC;QAWkB,Q;QAAA,OAAa,SAm3FX,YAn3FF,SAm3FN,QAAQ,CAn3FW,CA  
Ab,W;QAAd,OAAc,cAAd,C;UAAc,uB;UACV,cAAc,sBAAK,KAAL,C;UACd,IAAI,UAAU,OAAV,CAAJ,C;YA  
AwB,OAAO,O;;QAEEnC,MAAM,gCAAuB,mDAAvB,C;O;KafV,C;+FAUA,yB;MAAA,+C;MAAA,iE;MAo3FI,0  
D;MAp3FJ,uC;QAWkB,Q;QAAA,OAAa,SAY2FX,YAz2FF,SAY2FN,QAAQ,CAZ2FW,CAAb,W;QAAd,OAAc,cA  
Ad,C;UAAc,uB;UACV,cAAc,sBAAK,KAAL,C;UACd,IAAI,UAAU,OAAV,CAAJ,C;YAAwB,OAAO,O;;QAEEnC,  
MAAM,gCAAuB,mDAAvB,C;O;KafV,C;+FAUA,yB;MAAA,+C;MAAA,iE;MA02FI,0D;MA12FJ,uC;QAWkB,  
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AvB,C;O;KafV,C;+FAUA,yB;MAAA,+C;MAAA,iE;MAg2FI,0D;MAh2FJ,uC;QAWkB,Q;QAAA,OAAa,SAq1F  
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UACd,IAAI,UAAU,OAAV,CAAJ,C;YAAwB,OAAO,O;;QAEEnC,MAAM,gCAAuB,mDAAvB,C;O;KafV,C;+FAU  
A,yB;MAAA,0D;MAAA,qC;QAOI,OAAe,YAAR,iBAAQ,EAAY,OnC9sBM,KmC8sBIB,C;O;KAPnB,C;+FAU  
A,yB;MAAA,0D;MAAA,qC;QAOI,OAAe,YAAR,iBAAQ,EAAY,OnB7sBQ,KmB6sBpB,C;O;KAPnB,C;+FAUA,  
yB;MAAA,0D;MAAA,qC;QAOI,OAAe,YAAR,iBAAQ,EAAY,OpC1wBQ,KoC0wBpB,C;O;KAPnB,C;+FAUA,y  
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,C;6FAGBA,yB;MAAA,+C;MAktFI,0D;MAItFJ,uC;QASkB,Q;QAAA,OAAa,SAYSFX,YAZsFF,SAYSFN,QAAQ,C  
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X,iD;MA YoB,Q;MAAA,2B;MAAhB,OAAGb,cAAhB,C;QAAgB,yB;QACZ,WAAY,aAAI,OA AJ,EAAa,cAAc,OA  
Ad,CAAb,C;;MAEhB,OA AO,W;K;uGAGX,iD;MA YoB,Q;MAAA,2B;MAAhB,OAAGb,cAAhB,C;QAAgB,yB;Q  
ACZ,WAAY,aAAI,OA AJ,EAAa,cAAc,OAAd,CAAb,C;;MAEhB,OA AO,W;K;uGAGX,iD;MA YoB,Q;MAAA,2B;  
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AO,W;K;uFAGX,yB;MAAA,+D;MAoLA,gD;MApLA,uC;QASW,kBAAU,gB;QakLD,Q;QAAA,2B;QAAhB,OA  
AgB,cAAhB,C;UAAgB,yB;UACZ,WAnL6B,SAmLIB,CAAU,OA AV,C;UACC,OA AZ,WAAY,EAAO,IAAP,C;;QA  
pLhB,OAsLO,W;O;KA/LX,C;uFAYA,yB;MAAA,+D;MAsLA,gD;MAtLA,uC;QASW,kBAAU,gB;QaOLd,Q;QA  
AA,2B;QAAhB,OAAGb,cAAhB,C;UAAgB,yB;UACZ,WArL6B,SAqLIB,CAAU,OA AV,C;UACC,OA AZ,WAAY,  
EAAO,IAAP,C;;QAtLhB,OA wLO,W;O;KAjMX,C;uFAYA,yB;MAAA,+D;MAwLA,gD;MAxLA,uC;QASW,kBA  
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UACC,OA AZ,WAAY,EAAO,IAAP,C;;QAxLhB,OA OLO,W;O;KAnMX,C;uFAYA,yB;MAAA,+D;MA0LA,gD;M  
AILA,uC;QASW,kBAAU,gB;QAwLD,Q;QAAA,2B;QAAhB,OAAGb,cAAhB,C;UAAgB,yB;UACZ,WAZL6B,SA  
yLIB,CAAU,OA AV,C;UACC,OA AZ,WAAY,EAAO,IAAP,C;;QA1LhB,OA4LO,W;O;KArMX,C;qGAYA,yB;MA  
AA,+D;MA4DA,gD;MA5DA,uC;QAYW,kBAAiB,gB;QA2DR,gB;QADhB,YAAy,C;QACI,2B;QAAhB,OAAGb,  
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AZ,WAAY,EAAO,IAAP,C;;QA7DhB,OA+DO,W;O;KA3EX,C;qGAeA,yB;MAAA,+D;MA+DA,gD;MA/DA,uC;Q  
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DoC,SA+DzB,EAAU,cAAV,EAAU,sBAAV,WAAMb,OAAnB,C;UACC,OA AZ,WAAY,EAAO,IAAP,C;;QAhEh  
B,OAkEO,W;O;KA9EX,C;qGAeA,yB;MAAA,+D;MAkEA,gD;MAIEA,uC;QAYW,kBAAiB,gB;QAiER,gB;QAD  
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AAV,WAAmB,OAAnB,C;UACC,OAAZ,WAAY,EAAO,IAAP,C;;QAnEhB,OAqEO,W;O;KAjFX,C;qGAeA,yB; MAAA,+D;MAqEA,gD;MArEA,uC;QAYW,kBAaIB,gB;QAoER,gB;QADhB,YAAY,C;QACI,2B;QAaHb,OAAG B,cAAhB,C;UAAgB,yB;UACZ,WArEoC,SAqEzB,EAAU,cAAV,EAAU,sBAaV,WAAmB,OAAnB,C;UACC,OA AZ,WAAY,EAAO,IAAP,C;;QAtEhB,OAWEo,W;O;KApFX,C;yGAeA,yB;MAAA,gD;MAAA,oD;QAWoB,UAC S,M;QAFzB,YAAY,C;QACI,2B;QAaHb,OAAGB,cAAhB,C;UAAgB,yB;UACZ,WAAW,WAAU,cAAV,EAAU,s BAaV,WAAmB,OAAnB,C;UACC,OAAZ,WAAY,EAAO,IAAP,C;;QAEhB,OAAO,W;O;KafX,C;yGakBA,yB; MAAA,gD;MAAA,oD;QAWoB,UACS,M;QAFzB,YAAY,C;QACI,2B;QAaHb,OAAGB,cAAhB,C;UAAgB,yB;U ACZ,WAAW,WAAU,cAAV,EAAU,sBAaV,WAAmB,OAAnB,C;UACC,OAAZ,WAAY,EAAO,IAAP,C;;QAEhB ,OAAO,W;O;KafX,C;yGakBA,yB;MAAA,gD;MAAA,oD;QAWoB,UACS,M;QAFzB,YAAY,C;QACI,2B;QAaH B,OAAGB,cAAhB,C;UAAgB,yB;UACZ,WAAW,WAAU,cAAV,EAAU,sBAaV,WAAmB,OAAnB,C;UACC,OA AZ,WAAY,EAAO,IAAP,C;;QAEhB,OAAO,W;O;KafX,C;yGakBA,yB;MAAA,gD;MAAA,oD;QAWoB,UACS, M;QAFzB,YAAY,C;QACI,2B;QAaHb,OAAGB,cAAhB,C;UAAgB,yB;UACZ,WAAW,WAAU,cAAV,EAAU,sBA aV,WAAmB,OAAnB,C;UACC,OAAZ,WAAY,EAAO,IAAP,C;;QAEhB,OAAO,W;O;KafX,C;2FAkBA,yB;MAA A,gD;MAAA,oD;QAOoB,Q;QAAA,2B;QAaHb,OAAGB,cAAhB,C;UAAgB,yB;UACZ,WAAW,UAAU,OAAV,C; UACC,OAAZ,WAAY,EAAO,IAAP,C;;QAEhB,OAAO,W;O;KAXX,C;2FAcA,yB;MAAA,gD;MAAA,oD;QAOoB ,Q;QAAA,2B;QAaHb,OAAGB,cAAhB,C;UAAgB,yB;UACZ,WAAW,UAAU,OAAV,C;UACC,OAAZ,WAAY,E AAO,IAAP,C;;QAEhB,OAAO,W;O;KAXX,C;2FAcA,yB;MAAA,gD;MAAA,oD;QAOoB,Q;QAAA,2B;QAaHb, OAAGB,cAAhB,C;UAAgB,yB;UACZ,WAAW,UAAU,OAAV,C;UACC,OAAZ,WAAY,EAAO,IAAP,C;;QAEhB, OAAO,W;O;KAXX,C;2FAcA,yB;MAAA,gD;MAAA,oD;QAOoB,Q;QAAA,2B;QAaHb,OAAGB,cAAhB,C;UAA gB,yB;UACZ,WAAW,UAAU,OAAV,C;UACC,OAAZ,WAAY,EAAO,IAAP,C;;QAEhB,OAAO,W;O;KAXX,C;u FAcA,yB;MAAA,wE;MA4HA,+D;MA5HA,yC;QAYW,kBAaU,oB;QA4HD,Q;QAAA,2B;QAaHb,OAAGB,cAA hB,C;UAAgB,yB;UACZ,UA7HoD,WA6H1C,CAAY,OAAZ,C;U/B59IP,U;UADP,Y+B89Ie,W/B99IH,W+B89IwB ,G/B99IxB,C;UACL,IAAI,aAAJ,C;YACH,a+B49IuC,gB;YAA5B,W/B39IX,a+B29IgC,G/B39IhC,EAAS,MAAT,C ;YACA,e;;YAEA,c;;U+Bw9IA,iB;UACA,IAAK,WAAI,OAAJ,C;;QA/HT,OAIIO,W;O;KA7IX,C;uFAeA,yB;MAA A,wE;MAiIA,+D;MAjIA,yC;QAYW,kBAaU,oB;QAIID,Q;QAAA,2B;QAaHb,OAAGB,cAAhB,C;UAAgB,yB;U ACZ,UAlIqD,WakI3C,CAAY,OAAZ,C;U/Bh/IP,U;UADP,Y+Bk/Ie,W/BI/IH,W+Bk/IwB,G/BI/IxB,C;UACL,IAAI ,aAAJ,C;YACH,a+Bg/IuC,gB;YAA5B,W/B/+IX,a+B++IgC,G/B/+IhC,EAAS,MAAT,C;YACA,e;;YAEA,c;;U+B4 +IA,iB;UACA,IAAK,WAAI,OAAJ,C;;QApIT,OASIO,W;O;KAIJX,C;uFAeA,yB;MAAA,wE;MA5IA,+D;MAiIA,y C;QAYW,kBAaU,oB;QASID,Q;QAAA,2B;QAaHb,OAAGB,cAAhB,C;UAAgB,yB;UACZ,UAvIqD,WauI3C,CA AY,OAAZ,C;U/BpgJP,U;UADP,Y+BsgJe,W/BtgJH,W+BsgJwB,G/BtgJxB,C;UACL,IAAI,aAAJ,C;YACH,a+BogJ uC,gB;YAA5B,W/BngJX,a+BmgJgC,G/BngJhC,EAAS,MAAT,C;YACA,e;;YAEA,c;;U+BggJA,iB;UACA,IAAK, WAAI,OAAJ,C;;QAzIT,OA2IO,W;O;KAvJX,C;uFAeA,yB;MAAA,wE;MA2IA,+D;MA3IA,yC;QAYW,kBAaU,o B;QA2ID,Q;QAAA,2B;QAaHb,OAAGB,cAAhB,C;UAAgB,yB;UACZ,UA5IsD,WA4I5C,CAAY,OAAZ,C;U/Bxh JP,U;UADP,Y+B0hJe,W/B1hJH,W+B0hJwB,G/B1hJxB,C;UACL,IAAI,aAAJ,C;YACH,a+BwhJuC,gB;YAA5B,W /BvhJX,a+BuhJgC,G/BvhJhC,EAAS,MAAT,C;YACA,e;;YAEA,c;;U+BohJA,iB;UACA,IAAK,WAAI,OAAJ,C;;Q A9IT,OAgJO,W;O;KA5JX,C;uFAeA,yB;MAAA,wE;MAgJA,+D;MAhJA,yD;QAaW,kBAaU,oB;QAqJD,Q;QAA A,2B;QAaHb,OAAGB,cAAhB,C;UAAgB,yB;UACZ,UAtjID,WAsJvC,CAAY,OAAZ,C;U/B7iJP,U;UADP,Y+B+iJ e,W/B/iJH,W+B+iJwB,G/B/iJxB,C;UACL,IAAI,aAAJ,C;YACH,a+B6iJuC,gB;YAA5B,W/B5iJX,a+B4iJgC,G/B5i JhC,EAAS,MAAT,C;YACA,e;;YAEA,c;;U+ByiJA,iB;UACA,IAAK,WAnJyD,cAmJrD,CAAE,OAAf,CAAJ,C;;QA nJT,OAqJO,W;O;KAIKX,C;uFAGBA,yB;MAAA,wE;MAqJA,+D;MArJA,yD;QAaW,kBAaU,oB;QAqJD,Q;QAA A,2B;QAaHb,OAAGB,cAAhB,C;UAAgB,yB;UACZ,UAtjID,WAsJvC,CAAY,OAAZ,C;U/B1kJP,U;UADP,Y+Bok Je,W/BpkJH,W+BokJwB,G/BpkJxB,C;UACL,IAAI,aAAJ,C;YACH,a+BkkJuC,gB;YAA5B,W/BjkJX,a+BikJgC,G/ BjkJhC,EAAS,MAAT,C;YACA,e;;YAEA,c;;U+B8jJA,iB;UACA,IAAK,WaxJyD,cAwJrD,CAAE,OAAf,CAAJ,C;; QAxJT,OA0JO,W;O;KAvKX,C;uFAGBA,yB;MAAA,wE;MA0JA,+D;MA1JA,yD;QAaW,kBAaU,oB;QA0JD,Q;Q AAA,2B;QAaHb,OAAGB,cAAhB,C;UAAgB,yB;UACZ,UA3JiD,WA2JvC,CAAY,OAAZ,C;U/BvIJP,U;UADP,Y+ BvIJe,W/BzIjH,W+BvIjwB,G/BzIjxB,C;UACL,IAAI,aAAJ,C;YACH,a+BulJuC,gB;YAA5B,W/BtlJX,a+BslJgC,G/ BtlJhC,EAAS,MAAT,C;YACA,e;;YAEA,c;;U+BmlJA,iB;UACA,IAAK,WA7JyD,cA6JrD,CAAE,OAAf,CAAJ,C;; QA7JT,OA+JO,W;O;KA5KX,C;uFAGBA,yB;MAAA,wE;MA+JA,+D;MA/JA,yD;QAaW,kBAaU,oB;QA+JD,Q;Q

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,e;;YAEA,c;;U+BggJA,iB;UACA,IAAK,WAAI,OAAJ,C;;QAET,OAAO,W;O;KAjBX,C;2FAoBA,yB;MAAA,+D;  
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P,U;UADP,Y+B0hJe,W/B1hJH,W+B0hJwB,G/B1hJxB,C;UACL,IAAI,aAAJ,C;YACH,a+BwhJuC,gB;YAA5B,W/  
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EA,c;;U+BmlJA,iB;UACA,IAAK,WAAI,eAAe,OAAf,CAAJ,C;;QAET,OAAO,W;O;KAIBX,C;2FAqBA,yB;MAA  
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;oDAGvE,8B;MAA4E,uCAAQ,IAAR,EAAc,SAAd,EAAyB,OAazB,C;K;wDAE5E,8B;MAII,eAAe,0BAAa,SAAb  
,C;MACf,YAAO,UAAU,SAAV,I;MnEuDX,iBAAc,CAAd,UAAAsB,KAAAtB,U;QmEtDiB,e;QACA,iB;;K;2CAIjB,i  
B;MAMI,IAAI,UAAU,IAAd,C;QAAoB,OAAO,I;MAC3B,IAAI,2BAAJ,C;QAAuB,OAAO,K;MAE9B,OAAO,oC  
AAa,uBAAc,IAAd,EAAoB,KAApB,C;K;6CAGxB,Y;MAG+B,OAAA,oCAAa,yBAAGB,IAAhB,C;K;IAG5C,kD;  
MAAA,oB;MACI,eACsB,C;MACtB,cAIqB,E;K;yDAErB,Y;MAAkC,sBAAQ,gB;K;sDAE1C,Y;MAEW,Q;MADP  
,IAAI,CAAC,cAAL,C;QAAgB,MAAM,6B;MACtB,eAAO,mBAAP,EAAO,2BAAP,O;MACA,OAAO,wBAAI,WA  
AJ,C;K;wDAGX,Y;MtE5CJ,IAAI,EsE6CU,gBAAQ,EtE7CIB,CAAJ,C;QACI,csE4CwB,sE;QtE3CxB,MAAM,6BA  
AsB,OAAQ,WAA9B,C;;MsE6CF,6BAAS,WAAT,C;MACA,eAAQ,W;MACR,cAAO,E;K;;IAOqB,6D;MAHpC,o  
B;MAGmD,wD;MAG3C,oCAAa,4BAAMB,KAAAnB,EAA0B,WAAyB,KAAAnD,C;MACb,eAAa,K;K;iEAGjB,Y;M  
AAsC,sBAAQ,C;K;+DAE9C,Y;MAAgC,mB;K;8DAEHc,Y;MACI,IAAI,CAAC,kBAAL,C;QAAoB,MAAM,6B;M  
AE1B,eAAO,mCAAP,EAAO,YAAP,C;MACA,OAAO,wBAAI,WAAJ,C;K;mEAGX,Y;MAAoC,sBAAQ,CAAR,I;  
K;+DAEpC,mB;MACI,wBAAI,YAAJ,EAAW,OAAX,C;MACA,mC;MACA,cAAO,E;K;+DAGX,mB;MtEIFJ,IAA  
I,EsEmFU,gBAAQ,EtEnFIB,CAAJ,C;QACI,csEkFwB,4E;QtEjFxB,MAAM,6BAAsB,OAAQ,WAA9B,C;;MsEkFF  
,wBAAI,WAAJ,EAAU,OAAV,C;K;;IAIgb,+D;MAAuF,8B;MAAtF,kB;MAA0C,4B;MAC/D,eAAyB,C;MAGrB,o  
CAAa,2BAAkB,gBAAIB,EAA6B,OAA7B,EAAc,WAAK,KAA3C,C;MACb,eAAa,UAAU,gBAAV,I;K;wDAGjB  
,0B;MACI,oCAAa,4BAAMB,KAAAnB,EAA0B,YAA1B,C;MAEb,WAAK,aAAI,mBAAY,KAAZ,IAAJ,EAAuB,OA  
AvB,C;MACL,mC;K;wDAGJ,iB;MACI,oCAAa,2BAAkB,KAAIB,EAAyB,YAAzB,C;MAEb,OAAO,wBAAK,mB  
AAY,KAAZ,IAAL,C;K;6DAGX,iB;MACI,oCAAa,2BAAkB,KAAIB,EAAyB,YAAzB,C;MAEb,aAAa,WAAK,kB  
AAS,mBAAY,KAAZ,IAAT,C;MACIB,mC;MACA,OAAO,M;K;wDAGX,0B;MACI,oCAAa,2BAAkB,KAAIB,EA  
AyB,YAAzB,C;MAEb,OAAO,WAAK,aAAI,mBAAY,KAAZ,IAAJ,EAAuB,OAAvB,C;K;mGAGO,Y;MAAQ,mB  
;K;2DAE/B,Y;MAA+C,WAAK,iB;K;;ICxMN,8B;MAAiC,sB;MAwCnF,uBAAoC,I;MA+CpC,yBAA6C,I;K;IAIF

R,oD;MAAC,wB;MAGIC,gBAAqB,K;K;iFAHa,Y;MAAA,yB;K;uGAKZ,Y;MAAQ,oB;K;8DAE9B,oB;MAKI,eA  
Ae,IAAK,S;MACpB,gBAAc,Q;MACd,OAAO,Q;K;wDAGX,Y;MAA+B,iEAAC,IAAd,C;K;wDAC/B,Y;MAAKC,i  
EAAC,IAAd,C;K;sDACIC,iB;MAA4C,+DAAY,IAAZ,EAakB,KAAIB,C;K;;IAIB5C,8E;MAAA,wE;MAAsC,2CA  
AK,KAAM,IAAX,EAagB,KAAM,MAAtB,C;MAAtC,Y;K;IASBJ,+C;MACsE,6B;K;mEACIE,mB;MAAmD,kCA  
Ac,OAAAd,C;K;IEAEnD,mB;MAAiD,gCAAY,OAAZ,C;K;;yCAIrD,Y;MACI,YAAQ,Q;K;IAOQ,+F;MAAA,sD;M  
AAS,6B;K;uFACb,mB;MAAwC,MAAM,qCAA8B,8BAA9B,C;K;mFAC9C,Y;MACI,4BAAwB,Q;K;4FAG5B,mB  
;MAAsD,sDAAY,OAAZ,C;K;IAI3C,oH;MAAA,kD;K;4GACH,Y;MAAkC,OAAA,0BAAc,U;K;yGACHd,Y;MAA  
yB,OAAA,0BAAc,OAAO,I;K;2GAC9C,Y;MAAwB,0BAAc,S;K;;sFAL9C,Y;MACI,oBAAoB,oCAAQ,W;MAC5  
B,6G;K;0FAOJ,mB;MACI,qB;MACA,IAAI,+CAAY,OAAZ,CAAJ,C;QACI,4BAAwB,cAAO,OAAP,C;QACxB,O  
AAO,I;;MAEX,OAAO,K;K;oIAGY,Y;MAAQ,OAAA,4BAAwB,K;K;4FAEvD,Y;MAAsC,4BAAwB,iB;K;;0FA9B  
1E,Y;MACI,IAAI,4BAAJ,C;QACI,6F;;MA+BJ,OAAO,mC;K;kDAKf,gB;MAEyB,Q;MADrB,qB;MACqB,OAAA,  
I9E8Q2D,QAAQ,W;M8E9QxF,OAAqB,cAArB,C;QAAqB,wB;QAAf,U9EiMsD,U;Q8EjMjD,Y9E8MiD,Y;Q8E7  
MxD,iBAAI,GAJ,EAAS,KAAT,C;;K;IAQc,iG;MAAA,sD;MAAS,oC;K;yFACf,mB;MAAwC,MAAM,qCAA8B,  
gCAA9B,C;K;qFAC9C,Y;MAAuB,4BAAwB,Q;K;8FAE/C,mB;MAAsD,wDAAc,OAAAd,C;K;IAI3C,sH;MAAA,k  
D;K;8GACH,Y;MAAKC,OAAA,0BAAc,U;K;2GACHd,Y;MAAyB,OAAA,0BAAc,OAAO,M;K;6GAC9C,Y;MAA  
wB,0BAAc,S;K;;wFAL9C,Y;MACI,oBAAoB,oCAAQ,W;MAC5B,+G;K;sIAOmB,Y;MAAQ,OAAA,4BAAwB,K;  
K;8FAEvD,Y;MAAsC,4BAAwB,iB;K;;4FAnB1E,Y;MACI,IAAI,8BAAJ,C;QACI,iG;;MAoBJ,OAAO,qC;K;gDA  
Gf,e;MACI,qB;MACA,WAAW,YAAQ,W;MACnB,OAAO,IAAK,UAAZ,C;QACI,YAAY,IAAK,O;QACjB,QAA  
Q,KAAM,I;QACd,IAAI,YAAO,CAAP,CAAJ,C;UACI,YAAY,KAAM,M;UACIB,IAAK,S;UACL,OAAO,K;;;MA  
Gf,OAAO,I;K;kDAIX,Y;K;;IC3I+C,8B;MAAiC,oC;K;0CAEHf,iB;MAMI,IAAI,UAAU,IAAd,C;QAAoB,OAAO,I;  
MAC3B,IAAI,0BAAJ,C;QAAsB,OAAO,K;MAC7B,OAAO,mCAAY,mBAAU,IAAV,EAagB,KAahB,C;K;4CAG  
vB,Y;MAG+B,OAAA,mCAAY,2BAakB,IAAI,B,C;K;;ICbT,0B;MAAuD,8B;MAAIC,4B;MACvD,4BAakC,K;K;g  
CAkBiC,Y;MAEI,qB;MACA,4BAaA,I;MACb,OAAO,I;K;qCAGX,Y;K;iDAGA,uB;K;iFAG8B,Y;MAAQ,OAAA,  
oBAAM,O;K;sCAC5C,iB;MACyC,Q;MAAA,oCAAM,0BAAW,KAAX,CAAN,4D;K;sCACzC,0B;MAIW,IAAa,I;  
MAHpB,qB;MACA,0BAAW,KAAX,C;MAEoB,gBAAb,qBAAM,KAAN,C;MAAqB,qC;MAA5B,OAAO,CAAa,O  
tE8jB,SsE9BI,2D;K;oCAGX,mB;MACI,qB;MACM,oBAAY,MAAK,OAAL,C;MACIB,qC;MACA,OAAO,I;K;s  
CAGX,0B;MACI,qB;MACM,oBAAY,QAAO,mCAAoB,KAAPB,CAAP,EAAMC,CAAnC,EAAsC,OAAtC,C;MA  
CIB,qC;K;yCAGJ,oB;MACI,qB;MACA,IAAI,QAAS,UAAb,C;QAAwB,OAAO,K;MAE/B,uBAAA,oBxEioDoB,Q  
MjrD0C,YkEgDrD,QIEhDqD,CNirD1C,C;MwEhoDpB,qC;MACA,OAAO,I;K;yCAGX,2B;MACI,qB;MACA,mC  
AAoB,KAAPB,C;MAEA,IAAI,UAAAS,SAAb,C;QAAMB,OAAO,oBAAO,QAAP,C;MAC1B,IAAI,QAAS,UAAb,C  
;QAAwB,OAAO,K;MAE3B,IADE,KACf,e;QAAQ,OAAO,oBAAO,QAAP,C;WACf,IAFE,KAef,O;QAAK,uBIE  
7DqD,YkE6D7C,QIE7D6C,CNirD1C,QwEpnD6B,oBxEonD7B,C;;QwEnnDR,uBAAoC,cAA5B,oBAA4B,EA  
AV,CAAU,EAAP,KAAO,CAAY,QIE9DE,YkE8DK,QIE9DL,CkE8DF,EAA4C,cAAN,oBAAM,EAAY,KA  
AZ,EAAM  
B,SAAnB,CAA5C,C;;MAG5D,qC;MACA,OAAO,I;K;2CAGX,iB;MACI,qB;MACA,0BAAW,KAAX,C;MACA,q  
C;MACA,OAAW,UAAAS,sBAAb,GACG,oBAAY,MADf,GAGG,oBAAY,QAAO,KAAP,EAAC,CAAd,CAAI  
B,CA  
AmC,CAAnC,C;K;uCAGR,mB;MAEkB,Q;MADd,qB;MACc,2B;MAAd,mD;QACI,IAAI,4BAAM,KAAN,GAAG  
B,OAAhB,CAAJ,C;UACU,oBAAY,QAAO,KAAP,EAAC,CAAd,C;UACIB,qC;UACA,OAAO,I;;MAGf,OAAO,K;  
K;8CAGX,8B;MACI,qB;MACA,qC;MACM,oBAAY,QAAO,SAAP,EAakB,UAAU,SAAV,IAAI,B,C;K;gCAGtB,  
Y;MACI,qB;MACA,uB9BhHuC,E;M8BiHvC,qC;K;wCAIJ,mB;MAA+C,OAAM,QAAN,oBAAM,EAQ,OAAR,  
C;K;4CAErD,mB;MAAmD,OAAM,YAAN,oBAAM,EAAY,OAAZ,C;K;mCAEzD,Y;MAA0B,uBAAC,oBAAd,C;  
K;0CAE1B,iB;MAGe,UAGL,MAHK,EAMO,M;MAPIB,IAAI,KAAM,OAAN,GAAa,SAAJB,C;QACI,OAAO,2D;;  
MAGc,gBAAXB,eAAK,SAAL,IAAK,gBAAL,yB;MxEuWBL,UAAU,SAAV,EwEvWBS,C,KxEuWBT,C,EAD+F,CA  
C/F,EADoH,CACpH,EADuI,gBACvI,C;MwErwBI,IAAI,KAAM,OAAN,GAAa,SAAJB,C;QACI,MAAM,SAAN,I  
AAc,6E;;MAGIB,OAAO,K;K;kCAGX,Y;MACI,OAAO,EAAS,MAAM,MAAK,oBAAL,C;K;yCAIIB,Y;MACI,IA  
AI,yBAAJ,C;QAAgB,MAAM,oC;K;+CAG1B,iB;MACI,oCAAa,kCAAYB,SAAZB,C;MADoB,Y;K;wDAIrC,iB;M  
ACI,oCAAa,mCAA0B,SAI1B,C;MAD6B,Y;K;;IAIJ9C,+B;MAAA,mD;MAG8B,sB9BRa,E8BQB,C;MAH9B,Y;K  
;IAKA,kD;MAAA,mD;MAIkD,sB9BdP,E8BcO,C;MAJID,Y;K;IAMA,2C;MAAA,mD;MAGqD,sBIENa,YkEMR,  
QIENQ,CkEMb,C;MAHrD,Y;K;ICrBJ,0C;MACI,IAAI,6BAAJ,C;QACU,KAAY,MAAK,UAAAL,C;;QAEIB,UAAU

,KAAV,EAAwC,CAAxC,EAAiD,cAAN,KAAM,CAAjD,EAA4D,eAAW,UAAAX,CAA5D,C;;K;IAMiB,kD;MAAA ,uB;QAAGB,OAAA,kBAAW,SAAQ,CAAR,EAAW,CAAX,C;O;K;IAFPD,4C;MACI,IAAI,6BAAJ,C;QACI,iBAA iB,gC;QACX,KAAY,MAAK,UAAAL,C;;QAEIB,UAAU,KAAY,EAAwC,CAAxC,EAAiD,cAAN,KAAM,CAAjD,E AA4D,UAA5D,C;;K;IAIR,gE;MACI,IAAI,aAAY,UAAU,CAAV,IAAZ,CAAJ,C;QACI,UAAU,KAAY,EAAwC,S AAxC,EAAmD,UAAU,CAAV,IAAnD,EAAgE,UAAhE,C;;K;IAMiB,gC;MAAGB,OAAE,iBAAF,CAAE,EAAU,C AAV,C;K;IAF3C,0B;MACI,IAAI,6BAAJ,C;QACI,iBAAiB,gB;QACX,KAAY,MAAK,UAAAL,C;;QAEIB,UAAU, KAAV,EAAwC,CAAxC,EAAiD,cAAN,KAAM,CAAjD,EAA4D,cAA5D,C;;K;;IAaa,kD;MAAoB,QAAC,IAAM,C AAP,KAAa,IAAM,CAAnB,K;K;IARzC,uC;MACI,sC;QAAiC,OAAjC,yB;;MACA,4BAA4B,K;MAE5B,YAAY,E; MAGZ,iBAAc,CAAd,UAAsB,GAAtB,U;QAAiC,KAAY,MAAK,KAAL,C;MAC7C,iBAAiB,kC;MACX,KAAY,M AAK,UAAAL,C;MACIB,mBAAC,CAAd,YAAsB,KAAM,OAA5B,Y;QACI,QAAQ,MAAM,UAAQ,CAAR,IAAN,C ;QACR,QAAQ,MAAM,OAA5B,Y;QACR,IAAI,CAAC,IAAM,CAAP,OAAc,IAAM,CAAPB,KAA0B,KAAC,CAA nC,C;UAA5C,OAAO,K;;MAEjD,4BAA4B,I;MAC5B,OAAO,I;K;IAIX,2D;MACI,aAAa,gBAAmB,KAAM,OAAz B,O;MACb,aAAa,YAAU,KAAY,EAAiB,MAAjB,EAAyB,KAAzB,EAAgC,YAAhC,EAA8C,UAA9C,C;MACb,IA AI,WAAW,KAAf,C;QACI,aAAU,KAAY,OAAiB,YAAjB,M;UAA+B,MAAM,CAAN,IAAW,OAAO,CAAP,C;;K; IAII,4D;MAEI,IAAI,UAA5B,GAAb,C;QACI,OAAO,K;;MAGX,aAAa,CAAC,QAAQ,GAAR,IAAD,IAAgB,CAA hB,I;MACb,WAAW,YAAU,KAAY,EAAiB,MAAjB,EAAyB,KAAzB,EAAgC,MAAhC,EAAwC,UAAxC,C;MAC X,YAAY,YAAU,KAAY,EAAiB,MAAjB,EAAyB,SAAS,CAAT,IAAzB,EAAqC,GAAR,C,EAA0C,UAA1C,C;MAE Z,aAAiB,SAAS,MAAb,GAAGB,KAARB,GAAGC,M;MAG7C,gBAAGB,K;MACb,iBAAiB,SAAS,CAAT,I;MACj B,aAAU,KAAY,OAAiB,GAAGB,M;QAEQ,iBAAa,MAAb,IAAuB,cAAc,GAAR,C;UACI,gBAAGB,KAAC,SAAL ,C;UACb,iBAAiB,MAAM,UAA5B,C;UAEjB,IAAI,UAAW,SAAQ,SAAR,EAAmB,UAA5B,CAAX,IAA6C,CAAj D,C;YACI,OAAO,CAAP,IAAY,S;YACZ,6B;;YAEA,OAAO,CAAP,IAAY,U;YACZ,+B;;eAGR,iBAAa,MAAb,C; UACI,OAAO,CAAP,IAAY,KAAC,SAAL,C;UACZ,6B;;UAGA,OAAO,CAAP,IAAY,MAAM,UAA5B,C;UACZ,+ B;;MAMZ,OAAO,M;K;ICrGX,4C;MAMoB,UACM,M;MAHtB,IAAI,iBAAJ,C;QAAkB,OAAO,C;MACzB,aAAa, C;MACb,wBAAGB,SAAhB,gB;QAAGB,cAAA,SAAhB,M;QAEQ,oB;UAAmB,U;;UACnB,I1BFiC,MAAA,Y0BEn C,O1BFmC,C0BE9C,C;YAAwD,iCAAhC,OAAgC,C;iBAExD,uC;YAAmC,2BAAR,OAAQ,C;eACnC,wC;YAAm C,2BAAR,OAAQ,C;eACnC,sC;YAAmC,2BAAR,OAAQ,C;eACnC,uC;YAAmC,2BAAR,OAAQ,C;;YAEA,kBAA R,OAAQ,C;;QATvC,wB;QAYA,SAAS,MAAK,MAAL,QAAC,WAAAd,I;;MAEb,OAAO,M;K;;ICTP,uC;MAAA,2 C;K;2DACI,0B;MAA2D,sBAAU,MAAV,C;K;gEAE3D,iB;MAA6C,Q;MAAA,wEAAqB,C;K;;IAHtE,mD;MAAA ,kD;QAAA,iC;;MAAA,2C;K;;MC0BA,iC;MAKA,8B;MA6CA,0BAAmE,I;;IAzEnE,kC;MAAA,oB;MAA+B,8C; K;2CAE3B,mB;MAAYD,MAAM,qCAA8B,iCAA9B,C;K;uCAC/D,Y;MACI,WAAa,Q;K;uDAGjB,mB;MAAGe,O AAA,WAAa,uBAAC,OAAd,C;K;0CAE7E,Y;MAAwE,OAAA,iCAAY,W;K;qDAEPf,mB;MACI,IAAI,iBAAS,OA AT,CAAJ,C;QACI,WAAa,cAAO,OAAQ,IAAf,C;QACb,OAAO,I;;MAEX,OAAO,K;K;wFAGY,Y;MAAQ,OAAA, WAAa,K;K;;8BA6ChD,Y;MACI,0BAAY,Q;K;0CAIhB,e;MAAmD,OAAA,0BAAY,gBAAS,GAAT,C;K;4CAE/D, iB;MAAmE,gBAAZ,0B;MAAY,c;;QvE+mDnD,Q;QADhB,IAAI,wCAAsB,mBAA1B,C;UAAqC,aAAO,K;UAAP, e;;QACrB,2B;QAAhB,OAGB,cAAhB,C;UAAGB,yB;UAAm,IuE/mDmD,uBAAS,gBvE+mD9C,OuE/mDwD,MA AV,QvE+mD5D,C;YAAwB,aAAO,I;YAAP,e;;QAC9C,aAAO,K;;MuEhndgD,iB;K;kFAInD,Y;MACI,IAAI,+BA AJ,C;QACI,0BAAW,qB;;MAEf,OAAO,sC;K;uCAGf,Y;MAAGf,iC;K;kCAEHf,e;MAA+C,OAAA,0BAAY,WAAI ,GAAJ,C;K;oCAE3D,sB;MAAGD,OAAA,0BAAY,aAAI,GAAJ,EAAS,KAAT,C;K;qCAE5D,e;MAAYC,OAAA,0B AAY,cAAO,GAAP,C;K;+EAEvB,Y;MAAQ,OAAA,0BAAY,K;K;;IA5DID,0C;MAAA,iD;MAAuD,8B;MAvC3D, mB;MAwCQ,8BAAmB,W;MACnB,2BAAGB,WAAAY,S;MAFhC,Y;K;IAKA,+B;MAAA,iD;MAGuB,aAAK,kEAA L,Q;MAHvB,Y;K;IAKA,4D;MAAA,iD;MAQ8D,qB;M7EpC9D,IAAI,E6EsCQ,mBAAmB,C7EtC3B,CAAJ,C;QA CI,c6EqCgC,+C;Q7EpChC,MAAM,gCAAyB,OAAQ,WAAjC,C;;MAFV,IAAI,E6EuCQ,cAAc,C7EvCtB,CAAJ,C; QACI,gB6EsC2B,yC;Q7ErC3B,MAAM,gCAAyB,SAAQ,WAAjC,C;;M6E0BV,Y;K;IAcA,gD;MAAA,iD;MAA2C ,eAAK,eAAL,EAAsB,GAAtB,Q;MAA3C,Y;K;IAGA,yC;MAAA,iD;MAG8C,qB;MAC1C,KAAC,gBAAO,QAAP, C;MAJT,Y;K;IAqCJ,4B;MAK8E,gBAAnE,aAAmB,gEAA5B,C;MAA2E,wB;MAAIF,O1EvCO,S;K;;M2EjEP,uB;; kCAyCA,mB;MACI,UAAU,gBAAI,aAAI,OAAJ,EAAa,IAAb,C;MACd,OAAO,W;K;8BAGX,Y;MACI,gBAAI,Q; K;uCAOR,mB;MAA6D,OAAA,gBAAI,mBAAY,OAAZ,C;K;gCAEjE,Y;MAAYC,OAAA,gBAAI,U;K;CAE7C,Y; MAAqD,OAAA,gBAAI,KAAC,W;K;qCAE9D,mB;MAAkD,OAAA,gBAAI,cAAO,OAAP,CAAJ,Q;K;+EAEpB,Y

;MAAQ,OAAA,gBAAl,K;K;;IA5D1C,6B;MAAA,iD;MAGoB,8B;MAZxB,mB;MAaQ,oBAAM,gB;MAJV,Y;K;IA  
OA,yC;MAAA,iD;MAG2C,8B;MAnB/C,mB;MAoBQ,oBAAM,eAAgB,QAAS,KAaZB,C;MACN,qBAAO,QAAP,  
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C,6B;MAA3C,O3ENO,S;K;I4EzD6B,uC;MAAC,kC;MAErC,oBAaKc,kB;MAClC,sBAAYB,C;K;2EAHY,Y;MAA  
A,8B;K;2FAGrC,Y;MAAA,0B;K,OAAA,gB;MAAA,0B;K;gDAGA,sB;MACl,eAAe,aAAS,qBAAy,GAAZ,C;MA  
CxB,mBAAmB,6BAAsB,QAAtB,C;MACnB,IAAI,oBAAJ,C;QAEI,kBAAW,QAAX,IAAuB,mCAAY,GAAZ,EA  
AiB,KAAjB,C;;QAEvB,IAAI,6BAAJ,C;UAEI,YAA+B,Y;UAC/B,IAAI,aAAS,gBAAO,KAAM,IAAb,EAaKB,GA  
AlB,CAAb,C;YACl,OAAO,KAAM,gBAAS,KAAT,C;;YAEb,kBAAW,QAAX,IAAuB,CAAQ,KAAR,EAaE,mCA  
AY,GAAZ,EAaiB,KAAjB,CAaf,C;YACvB,6B;YACA,OAAO,I;;;UAIX,YAAuC,Y;UACvC,cAAkB,wBAAN,KA  
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AAy,GAAZ,EAaiB,KAAjB,CAAL,C;;;MAG1B,6B;MAEA,OAAO,I;K;iDAGX,e;MAEuB,Q;MADnB,eAAe,aAA  
S,qBAAy,GAAZ,C;MACl,oCAAsB,QAAtB,C;MAAA,iB;QAAMC,OAAO,I;;MAA7D,mBAAmB,I;MACnB,IAA  
I,6BAAJ,C;QACl,YAAgC,Y;QAChC,IAAI,aAAS,gBAAO,KAAM,IAAb,EAaKB,GAAIB,CAAb,C;U5BzDR,O4B  
0D6B,iB5B1DvB,C4B0DmC,Q5B1DnC,C;U4B2DM,6B;UACA,OAAO,KAAM,M;;UAEb,OAAO,I;;;QAGX,YAA  
uC,Y;QACvC,8BAAc,KAAAd,iB;UACl,cAAy,MAAM,KAAN,C;UACZ,IAAI,aAAS,gBAAO,GAAP,EAAY,OAA  
M,IAAI,CAAb,C;YACl,IAAI,KAAM,OAAN,KAAC,CAAlB,C;cACU,KAAN,UAA2B,C;c5BtE/C,O4BwEqC,iB5  
BxE/B,C4BwE2C,Q5BxE3C,C;;c4B2EoB,KAAy,QAAO,KAAP,EAAC,CAAd,C;;YAEtB,6B;YAEA,OAAO,OAA  
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AuC,Y;QACvC,OAAa,wBAAN,KAAM,EAaiB,GAAjB,C;;K;uDAlrB,0B;MACl,sB;;Q7F+nCY,Q;QAaHb,iD;UA  
AgB,cAAhB,e;UAAsB,I6F/nCK,aAAS,gB7F+nCA,O6F/nCa,IAAb,M7F+nCd,C;YAAwB,qBAAO,O;YAAP,uB;;;  
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L,C;MACvC,gBAAe,E;MAEf,oBAA4B,I;MAC5B,eAAc,K;MACd,iBAAgB,E;MAChB,iBAAqC,I;K;yEAErC,Y;  
MACl,IAAI,6BAAwB,YAA5B,C;QACl,gBAAqB,iBAAqD,O;QAC1E,IAAI,4DAAC,SAAlB,C;UACl,OAAO,C;;  
MAGf,IAAI,yDAAa,SAAK,OAAtB,C;QACl,oBAAe,2CAAW,UAAK,aAAL,CAAX,C;QACf,eAAU,iC;QACV,iB  
AAy,C;QACZ,OAAO,C;;QAEp,oBAAe,I;QACf,OAAO,C;;K;mEAlf,Y;MACl,IAAI,eAAS,EAAb,C;QACl,aAAQ,  
oB;MACZ,OAAO,eAAS,C;K;gEAGpB,Y;MAEOB,Q;MADhB,IAAI,CAAC,cAAL,C;QAAGB,MAAM,6B;MACN,  
IAAI,YAAJ,C;QACZ,yBAAqD,cAArD,C;;QAEa,OAAb,iB;;MAHJ,oB;MAKA,iBAaiB,S;MACjB,aAAQ,E;MAC  
R,OAAO,S;K;kEAGX,Y;M/E/CR,I+EgDyB,c/EhDrB,QAaj,C;QACl,cAhByB,0B;QAiBzB,MAAM,6BAAsB,OA  
AQ,WAA9B,C;;M+E+CE,6BAAYB,cAAO,6BAAy,IAAnB,C;MACzB,iBAAy,I;MAEZ,uC;K;;6CAtdZ,Y;MAEI,  
2D;K;4DAyDJ,oB;MACl,mBAAmB,kBAAW,QAAX,C;MACnB,OAAW,iBAaiB,SAArB,GAAGC,IAAhC,GAA0  
C,Y;K;;;wCCtKrD,Y;MACl,aAAR,MAAM,OAAe,CAAP,IAAO,C;MAEb,OAAO,KAAP,IAAGB,C;M7BXpB,O6  
BYqB,M7BZf,C6BYuB,K7BZvB,C;M6BaF,OAAO,M;K;;ICNuB,qC;MAAC,kC;MAEnC,oBAaKc,kB;MAClC,sB  
AAyB,C;K;yEAHU,Y;MAAA,8B;K;yFAGnC,Y;MAAA,0B;K,OAAA,gB;MAAA,0B;K;iDAWA,e;MACl,IAAI,0  
BAAJ,C;QAAoB,OAAO,K;MAC3B,OAAO,kBAAW,GAAX,MAAoB,S;K;4CAG/B,e;MACl,IAAI,0BAAJ,C;QA  
AoB,OAAO,I;MAC3B,YAAy,kBAAW,GAAX,C;MACZ,OAAW,UAAU,SAArB,GAAGC,KAaHc,GAA2D,I;K;8  
CAI/D,sB;MjFVA,IAAI,EiFWQ,uBjFXR,CAAJ,C;QACl,cAda,qB;QAEb,MAAM,gCAAYB,OAAQ,WAAjC,C;;Mi  
FUN,eAAe,kBAAW,GAAX,C;MACf,kBAAW,GAAX,IAAKB,K;MAElB,IAAI,aAAa,SAAJB,C;QACl,6B;QAEA,  
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BAAvB,C;K;2EAE9B,oB;MAAwC,OAAA,2BAAUb,aAAI,gBAAJ,EAAS,QAAT,C;K;qEAE/D,Y;MAA+B,OAA  
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OA,4BAAC,K;;IArIE,sD;MAZpC,oB;MAYyD,0CAAqC,GAArC,EAA0C,KAA1C,C;MACrD,oBAAuC,I;MACv  
C,oBAAuC,I;K;wDAEvC,oB;MACI,WAAmB,iB;MACnB,OAAa,mEAAS,QAAT,C;K;;IAIrB,wC;MAAA,oB;MA  
A+B,8C;K;IAE3B,sD;MAAA,oB;MACI,cACsC,I;MAEtC,cACsC,I;MAGIC,cAAO,iC;K;6DAIX,Y;MACI,OAAO,  
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Ca,gBAAb,OAAQ,a;;MAAf,c/E0DS,S+E1DoB,KAAO,iC/E0DzC,GAAqB,SAArB,GAA+B,I;M+EzD1B,OAAO,O  
;K;4DAGX,Y;MIFwBR,IAAI,EkFvBc,eAAQ,IIFuBtB,CAAJ,C;QACI,cAdW,e;QAEX,MAAM,6BAAsB,OAAQ,W  
AA9B,C;;MkFxBE,WAAc,iB;MAGP,oCAAP,0BAAO,C;MACP,gCAAI,cAAO,0BAAO,IAAd,C;MAEJ,cAAO,I;K  
;;iDAIf,mB;MAAyD,MAAM,qCAA8B,iCAA9B,C;K;6CAC/D,Y;MACI,WAAmB,Q;K;6DAGvB,mB;MAAgE,OA  
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,CAAJ,C;QACI,WAAmB,cAAO,OAAQ,IAAf,C;QACnB,OAAO,I;;MAEX,OAAO,K;K;8FAGY,Y;MAAQ,OAAA  
,WAAmB,K;K;sDAEID,Y;MAAsC,WAAmB,iB;K;;iDAa7D,qB;MIFrBA,IAAI,EkF0BM,0BAAQ,IAAR,IAAgB,0  
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Z,IAAI,SAAS,IAAb,C;QACI,sBAAO,S;QACP,yBAAO,S;QACP,yBAAO,S;;QAGK,YAAa,KAAM,a;QlFIBhC,uB  
;QAEp,IAfoB,KAehB,QAAl,C;UACI,gBAhByB,0B;UAiBzB,MAAM,6BAAsB,SAAQ,WAA9B,C;;UAEN,sBAnB  
gB,K;;QkFkBZ,+B;QAEA,yBAAO,K;QACP,yBAAO,K;QAEp,qBAAa,S;QACb,qBAAa,S;;K;+CAIrB,qB;MAIL,I  
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,C;QACI,eAAe,mCAAW,GAAx,EAAGB,KAAhB,C;QACf,kBAAl,aAAI,GAAJ,EAAS,QAAT,C;QACK,wBAAT,  
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B,mC;MAAA,uD;MAGuB,qB;MA9J3B,yB;MA+JQ,sBAAM,gB;MAJV,Y;K;IAOA,iD;MAAA,uD;MAAoD,qB;M  
AlKxD,yB;MAoKc,Q;MAAN,sBAAM,+D;MAFV,Y;K;IAKA,kE;MAAA,uD;MAQ8D,eAAM,eAAN,EAauB,UA  
AvB,Q;MA/KIE,yB;MAGLQ,sBAAM,gB;MATV,Y;K;IAYA,sD;MAAA,uD;MAA2C,qBAAK,eAAL,EAASB,GA  
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,QAAP,C;MALT,Y;K;IA6EJ,kC;MAKwD,gBAA7C,qBAAYB,eAAzB,C;MAAqD,wB;MAA5D,O/EjMO,S;K;;oC  
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,Q;MAZ3B,yB;MASI,Y;K;IAKA,+C;MAAA,uD;MAG8C,eAAM,oBAAN,Q;MAjBID,yB;MAkBQ,qBAAO,QAA  
P,C;MAJJ,Y;K;IAOA,kE;MAAA,uD;MAQ8D,eAAM,qBAASB,eAAtB,EAauC,UAAvC,CAAN,Q;MA7BIE,yB;M  
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K;IAE3C,wB;MAC4C,MAAM,qCAA8B,4CAA9B,C;K;ICIGID,mD;MACI,0B;MASA,gBAA2B,a;K;2FAFvB,Y;M  
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J,gD;MAAA,0D;MACyD,6BAAK,QAAL,EAAe,2CAAf,C;MADzD,Y;K;;;ICRA,2C;MAAA,+D;MAAuB,iC;MA  
F3B,iC;MAEI,Y;K;IACA,sD;MAAA,+D;MAAuC,6BAAM,OAAN,Q;MAH3C,iC;MAGI,Y;K;IACA,6D;MAAA,+  
D;MAAmD,kCAAM,OAAN,EAAe,KAAf,C;MAJvD,iC;MAII,Y;K;IACA,oD;MAAA,+D;MAAiC,6BAAM,KAA  
N,Q;MALrC,iC;MAKI,Y;K;Ix4Cj,yE;MASI,sC;MAAA,4C;K;IATJ,iGAWY,Y;MAAQ,2B;KAXpB,E;IAAA,0D  
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;K;8CAGJ,Y;MAAYC,iCAAuB,cAAvB,M;K;;ICCO,6C;MAAA,8B;MAAS,uB;K;8FACiC,Y;MAAQ,OAAA,gBA  
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AIsE,OAAK,S;K;kFAE3E,qB;MAMyE,gB;K;IAEzE,6B;MAiBa,UAPF,M;MAFP,QAAC,S;MAGV,cAAK,UAAAL,  
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C;;UAGN,UAAIB,uDAakB,Y;;MAP3B,a;K;IC9BJ,2B;MAEI,MAAM,yBAAqB,OAAR,B;K;IAGV,sB;MAEI,M  
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AAoB,YAApB,EAA0E,YAAIE,EAAwF,uCAAXF,C;MAEtB,wBACuB,wBAAoB,YAApB,EAA2E,aaA3E,EAA0  
F,wCAAIF,C;K;IAMkB,qE;MAAA,qB;QAAE,OvE/DD,OuE+DU,EAAT,KAAiB,UAAjB,IAAkC,EAAY,OAAf,K  
AA0B,a;O;K;+CAJpG,iB;MAE2B,Q;MAAhB,U;MAAA,KAAgB,OAAhB,eAAGB,CAAI,KAAJ,CAAhB,U;QAAA  
,a;QACH,aAAa,wBAAoB,QAApB,EAA+D,kBAA/D,EACoB,mDADpB,C;QAEg,eAAhB,UAAqC,M;QAHIC,SA  
IH,M;MAJJ,a;K;IA7D+E,8C;MAAE,6B;K;IAGO,iD;MAAE,0B;K;IAME,kD;MAAE,8B;K;IAGZ,+C;MAAE,6B;  
K;IAGC,gD;MAAE,6B;K;IAGR,8C;MAAE,6B;K;IAGI,gD;MAAE,6B;K;IAGC,iD;MAAE,6B;K;IAGH,gD;MAA  
E,yB;K;IAGD,iD;MAAE,6B;K;IAGM,oD;MAAE,mC;K;IAGO,uD;MAAE,gC;K;IAGL,oD;MAAE,6B;K;IAGJ,oD  
;MAAE,6B;K;IAGE,qD;MAAE,8B;K;IAGR,mD;MAAE,4B;K;IAGJ,oD;MAAE,6B;K;IAGQ,qD;MAAE,8B;K;IA  
GC,sD;MAAE,+B;K;IA5DvH,wC;MAAA,uC;QAAA,sB;MAAA,gC;K;ICCA,2B;MAEW,Q;MAAA,IAAI,KAA  
Y,SAAQ,MAAR,CAAhB,C;QACH,kBAAW,MAAX,C;QAEA,kBAAW,MAAX,C;MAHJ,W;K;IAOJ,8B;MAC4  
E,QAAM,QAAS,OAAf,C;aACxE,C;UADwE,OACnE,WAAW,SAAS,CAAT,CAAX,C;aACL,C;UAFwE,OAEEnE,+  
B;UAFmE,OAGhE,iB;K;IAGZ,oC;MAEU,IAAN,I;MAAA,QxEhB0C,OwEgB3B,CAAf,C;aACI,Q;UAA6B,OAA  
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,OAAjB,8BAAiB,e;eACnC,0B;YAAmC,OAAjB,8BAAiB,e;eACnC,2B;YAAoC,OAAjB,8BAAiB,gB;eACpC,yB;  
YAAkC,OAAjB,8BAAiB,c;eACIC,0B;YAAmC,OAAjB,8BAAiB,e;eACnC,2B;YAAoC,OAAjB,8BAAiB,gB;eAC  
pC,4B;YAAqC,OAAjB,8BAAiB,iB;eACrC,6B;eACA,sB;YAAkC,OAAjB,8BAAiB,W;YAE9B,kBAAkB,MAAA,  
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ES,OAAT,QAAS,S;QAGb,4BAAiB,MAAJB,C;MATJ,W;K;ICrCJ,0B;MAII,sBAAY,C;K;qEACH,4B;MAIkE,iB  
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D,2C;uBAA+B,O;;K;;IAC5E,8C;MAAA,kE;MAAuB,qCAAK,IAAL,C;MAAvB,Y;K;ICD8B,gC;MAe9B,gBAAiC  
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,OAA3B,aAAc,EAAf,GAAsB,GAAM,C;YACID,MAAM,mBAAN,EAAM,2BAAN,aAA6D,OAARc,aAAc,EAAf,  
GAAuB,EAAxB,GAAiC,GAAM,C;YAC7D,MAAM,mBAAN,EAAM,2BAAN,aAA4D,OAAPc,aAAc,CAAf,GAA  
sB,EAAvB,GAAgC,GAAM,C;YAC5D,MAAM,mBAAN,EAAM,2BAAN,aAAoD,OAA7B,YAAc,EAAf,GAAwB,  
GAAM,C;YACpD,6B;;;MAMhB,OAAW,KAAM,OAAN,KAAc,SAAIB,GAA6B,KAA7B,GAA8C,UAAN,KAA  
M,EAAO,SAAP,C;K;;IAQzD,mE;MAiByB,Q;M5H9LrB,IAAI,E4HwLI,cAAc,CAAd,IAAmB,YAAY,KAAM,OA  
ArC,IAA6C,cAAc,Q5HxL/D,CAAJ,C;QACI,cAda,qB;QAeb,MAAM,gCAAYB,OAAQ,WAAjC,C;;M4HwLV,gBA  
AgB,U;MACHb,oBAAoB,sB;MAEpB,OAAO,YAAY,QAAAnB,C;QACI,WAAW,KAAmB,CAAb,gBAAa,EAAb,w  
BAAa,O;QAE1B,YAAQ,CAAR,C;UACI,aAAc,gBAAy,OAAL,IAAK,CAAZ,C;aACIB,YAAS,CAAT,KAAc,EA  
Ad,C;UACI,WAAW,eAAe,KAAf,EAAsB,IAAtB,EAA4B,SAA5B,EAAuC,QAAvC,EAAiD,gBAAjD,C;UACX,IA  
AI,QAAQ,CAAZ,C;YACI,aAAc,gBAAO,gBAAP,C;YACd,yBAAa,CAAC,IAAD,IAAb,K;;YAEA,aAAc,gBAAy,  
OAAL,IAAK,CAAZ,C;YACd,wBAAa,CAAb,I;;eAGR,YAAS,CAAT,KAAc,EAAd,C;UACI,aAAW,eAAe,KAAf,  
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BAAO,gBAAP,C;YACd,yBAAa,CAAC,MAAD,IAAb,K;;YAEA,aAAc,gBAAy,OAAL,MAAK,CAAZ,C;YACd,w  
BAAa,CAAb,I;;eAGR,YAAS,CAAT,KAAc,EAAd,C;UACI,aAAW,eAAe,KAAf,EAAsB,IAAtB,EAA4B,SAA5B,  
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S,IAAV,GAAoB,K;YAC9B,aAAc,gBAAy,OAAL,IAAK,CAAZ,C;YACd,aAAc,gBAAW,OAAL,GAAL,CAAX,C;

YACd,wBAAa,CAAb,I;;UAIJ,UAAU,CAAV,EAAa,SAAb,EAAwB,gBAAXB,C;UACA,aAAc,gBAAO,gBAAP,C  
;;MAK1B,OAAO,aAAc,W;K;ICtQzB,uC;MAU2D,OAAwB,CAAXB,2BAAwB,mBAAS,SAAT,C;K;IAEnF,oC;M  
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CrB,iBAAsB,E;MACTb,kBAA+B,E;MAC/B,uBAAiC,C;K;uDAEjC,qB;MACc,qBAAV,SAAU,EAAC,EAAd,EA  
kB,EAAlB,C;MACV,OAAO,aAAO,W;K;gDAG1B,qB;MAA6D,gBAAR,c;MAAQ,c;;Q3I41Y7C,Q;QAAhB,wBA  
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AC9C,aAAO,K;;;M2I71Y8C,iB;K;sDAErD,wC;MACI,KAAK,qBAAL,SAAK,EAAC,MAAd,EAAsB,SAATB,CAA  
L,C;QAAyC,M;MAEzC,YAAY,SAAK,M;MACjB,OAAO,aAAP,C;QACI,KAAM,qBAAN,KAAM,EAAC,MAAd,  
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MANCd,aAAO,gBAAO,MAAP,CAAE,gBAAO,SAAP,C;MACTb,gBAAgB,SAAK,W;MACrB,IAAI,eAAQ,SAAR,  
CAAJ,C;QACI,aAAO,gBAAO,kCAAP,CAA2C,gBAAO,SAAP,CAAKB,gBAAO,KAAP,C;QACpE,OAAO,K;;MA  
EH,cAAY,MAAK,SAAL,C;MAEpB,YAAY,CAAiB,OAAZ,SAAY,MAAJB,2D;MACZ,IAAI,aAAJ,C;Q1HyBG,S0  
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I;QACnE,IAAI,eAAc,CAAlB,C;UAAqB,aAAO,gBAAO,SAAP,CAAKB,gBAAO,IAAP,C;QAC9C,IAAI,e1G8Mo  
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C;;QAEZ,IAAI,M1GgNuC,UAAAS,C0GhNpD,C;UAEuB,U;UAAA,IAAI,eAAc,CAAlB,C;YAAA,SAAQB,C;;Y3Gq  
+BpC,U;YADhB,YAAY,C;YACI,oB2Gr+B+C,S3Gq+B/C,C;YAAhB,OAAgB,gBAAhB,C;CAAgB,sC;CAAM,I2Gr  
+BgE,U3Gq+BID,oB2Gr+BkD,MAAK,E3Gq+BrE,C;gBAAwB,qB;;Y2Gr+Bf,SA4B,I3Gs+BpD,K2Gt+BoD,I;;U  
AA/C,yB;U7GorCC,kB;UADb,YAAY,C;UACC,S6GnrCK,aAAN,KAAM,C7GmrCL,W;UAAb,OAAa,gBAAb,C;  
YAAa,wB;Y6GlrCG,I7GkrCU,oBAAMB,cAAnB,EAAMB,sBAAnB,U6GlrCN,gBAAJ,C;cAA2B,aAAO,uB;YACI  
C,aAAO,gB7GirCgC,I6GjrChC,CAAA,gBAAO,IAAP,C;;;UAGxB,aAAO,gBAAO,KAAP,CAAc,gBAAO,IAAP,C;;  
;QAGzB,aAAO,gBAAO,SAAP,CAAKB,gBAAO,IAAP,C;;MAG7B,iBAAiB,mC;MACjB,IrIuHoD,CqIvHhD,UrIu  
HiD,UqIvHrD,C;QACI,uBAAuB,SAAS,M;QACTb,8B;QAAV,OAAU,gBAAV,C;UAAU,qB;UACJ,qBAAF,CAAE  
,EAAC,gBAAd,EAAGC,cAAhC,C;;;MAGV,OAAO,I;K;yDAGX,6B;MAIwB,Q;MAHpB,mBAAwB,C;MACxB,gB  
AAqB,C;MACrB,mBAAwB,C;MACJ,OzHyIjB,MAAO,KyHzIgB,eAAS,OAAT,GAAKB,oBAAIB,IzHyIhB,EyHzI  
iD,KAAM,OAAN,GA Ae,UAAf,IzHyIjD,C;MyHzIV,eAAY,CAAZ,oB;QACI,QAAQ,iBAAY,iBAAN,KAAM,CA  
AN,GAAKB,GAAIB,IAAN,C;QACR,IAAI,MAAK,2BAAKB,iBAAT,eAAS,CAAT,GAaqB,GAARb,IAAT,CAAT,  
C;UAA6C,K;QAC7C,IAAI,MAAK,EAAT,C;UACI,8BAAgB,CAAhB,I;UACA,eAAe,S;UACf,YAAY,G;;MAGp  
B,IAAI,gBAAgB,CAApB,C;QAAuB,OAAO,K;MAC9B,OAAO,eAAe,CAAf,IAAoB,iBAAY,iBAAN,KAAM,CA  
AN,IAAMB,YAAAnB,GAakC,CAAlC,KAAN,MAA+C,EAA1E,C;QACI,8BAAgB,CAAhB,I;MAGJ,OAAa,YAAN,  
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gD;MACkB,UAMP,M;MANO,IAAI,aAAY,CAAhB,C;QACV,Y;;QAEA,UxBsY8C,MAAW,KwBtY/C,IxBsY+C,  
EwBtYtC,QxBsYsC,C;QwBrYzD,OAAA,IAAO,OxB2UmC,MAAW,KwB3UpC,KxB2UoC,CwB3UxC,GAAa,GA  
AnB,CAAP,GAAiC,GAAjC,GxBwV2C,MAAW,MwBxVV,KxBwVU,C;;MwB5V1D,kB;MAMO,IxByUuC,MAA  
W,KwBzU1C,OxByU0C,CwBzU9C,GA Ae,MAAnB,C;QAEmC,SA9B,OAAZ,SAAQ,QAAR,C;;QAGpB,exBoU  
0C,MAAW,KwBpU1C,OxBoUkC,C;QwBnUrD,qBAA8B,QAAZ,axBgRC,MAAW,MAvCV,MAAW,OwBzOU,Qx  
ByOV,CAuCD,CwBhRA,GA AwB,QAAPC,C;QAC1C,SAAl,UAAU,CAAd,GAAiB,MAAG,cAAPB,GAAYC,c;;M  
AP7C,a;K;IAWJ,6C;MACI,OAAa,KAAY,gBA Ae,OAAf,EAAwB,MAAK,4BAA2B,QAA3B,CAAL,EAAXB,C;K;I  
CtBQ,4C;MAFrC,e;MAEsC,0B;MAFtC,iB;MAAA,uB;K;IAAA,mC;MAAA,sC;O;MAGI,uEAGY,GAHZ,C;MAIA  
,yEAGa,MAHb,C;MAIA,yEAGa,SAHb,C;MAIA,+DAGQ,KAHR,C;MAIA,+DAGQ,MAHR,C;MAIA,2DAGM,M  
AHN,C;MAIA,yDAGK,OAHL,C;K;;IAxBA,gD;MAAA,yB;MAAA,wC;K;;IAIA,iD;MAAA,yB;MAAA,yC;K;;IAI  
A,iD;MAAA,yB;MAAA,yC;K;;IAIA,4C;MAAA,yB;MAAA,oC;K;;IAIA,4C;MAAA,yB;MAAA,oC;K;;IAIA,0C;  
MAAA,yB;MAAA,kC;K;;IAIA,yC;MAAA,yB;MAAA,iC;K;;IA3BJ,+B;MAAA,4Q;K;;IAAA,oC;MAAA,a;AAA,  
a;UAAA,6C;aAAA,c;UAAA,8C;aAAA,c;UAAA,8C;aAAA,S;UAAA,yC;aAAA,S;UAAA,yC;aAAA,O;UAAA,uC;  
aAAA,M;UAAA,sC;;UAAA,6D;;K;;IAiCA,4D;MAGW,Q;MADP,0BAA2C,iBAAJB,UAAW,cAAM,EAU,UAA  
W,cAARb,C;MAEvC,0BAAAsB,CAATb,C;QAA2B,gBAAS,UAAW,cAAX,GAAMb,UAAW,cAAvC,C;WAC3B,0B

AA sB, CAAtB, C; QAA2B, gBAAS, UAAW, cAAX, GAAMb, UAAW, cAAvC, C;; QACnB, Y; MAHZ, W; K; IA OJ, oE; M  
AGW, Q; MADP, 0BAA2C, iBAAjB, UAAW, cAAM, EAAU, UAAW, cAArB, C; MAEvC, 0BAAsB, CAAtB, C; QAA2B,  
sBAA8C, uBAArC, UAAW, cAAX, GAAMb, UAAW, cAAO, CAA9C, C;; WAC3B, 0BAAsB, CAAtB, C; QAA2B, iBAA  
8C, uBAArC, UAAW, cAAX, GAAMb, UAAW, cAAO, CAA9C, C;; QACnB, Y; MAHZ, W; K; IA OJ, 8D; MAGW, Q; MA  
DP, 0BAA2C, iBAAjB, UAAW, cAAM, EAAU, UAAW, cAArB, C; MAEvC, 0BAAsB, CAAtB, C; QACI, YAAkD, uBAA  
rC, UAAW, cAAX, GAAMb, UAAW, cAAO, C; QACID, aAAa, eAAQ, KAAR, C; QAET, sBAAS, KAAT, GAAkB, KAAI  
B, E; UAA2B, a; aAC3B, uBAAQ, CAAR, C;;; aAIR, 0BAAsB, CAAtB, C; QAA2B, iBAA8C, uBAArC, UAAW, cAAX, G  
AAmB, UAAW, cAAO, CAA9C, C;; QACnB, Y; MAXZ, W; K; ICrDJ, +B; MAAA, mC; MAUuB, wB; MALf, aAAR, OAA  
O, OAAQ, KAAI, WAAY, IAAG, OAAO, SAAX, IAAwB, CAAC, CAAC, OAAO, SAAS, K; MADpE, sBAGQ, MAHR, G  
AIQ, iBAAa, OAAb, CAJR, GAMQ, qBAAW, OAAx, IAAA, 4GACO, +B; K; 4CAIf, Y; MAAMc, OAAA, mBAAa, U; K;;  
; IAfpD, 2C; MAAA, 0C; QAAA, yB;; MAAA, mC; K; IA wB2B, +B; MAAC, sB; K; IA EW, +D; MAAA, 0C; MAAS, mB; M  
ACx C, iBAAgB, yBAAQ, S; K; 8DACx B, Y; M7HyEG, Q6HxEC, 8BAAQ, QAAO, cAAP, C; MAAYb, c9IZIC, EA AI, CA  
AJ, C; M8IY2C, Y9IuF3C, EA AI, CA AJ, C; M8IvFC, OAA4D, aAAR, OAAQ, qCAAR, aAAiD, aAAN, KAAM, yCAAjD,  
C; K;;; qCAH5D, Y; MAAMc, mD; K; sCAMn C, Y; MAAkC, qC; K;;; IAKF, 4C; MA AiC, 4E; MA AhC, 8B; K; 2CACjC, Y; M  
AA8B, OAAA, gBAAY, M; K; +CAC1C, Y; MAAkC, 2C; K;;; IAGtC, 6B; MAAA, iC; MAEoC, 4E; K; uCACHc, Y; MA A8B  
, OAAe, U; K; 2CAC7C, Y; MAAkC, +B; K;;; IA JtC, yC; MAAA, wC; QAAA, uB;; MAAA, iC; K; IC1CA, gD; MAQ+B, kBA  
ApB, wBAAc, IAAd, C; MAA0B, I9HgEjC, a; M8HhEA, O9HiEO, W; K; I8H9DX, gD; MAQqD, kBAA1B, gBAAhB, sCA  
AgB, EAAC, IAAd, EA AoB, IA ApB, C; MA AiC, sB9HoEID, W8HpEkD, C; MA Ax D, O9HqEO, W; K; I+HzFX, yC; MA Ek  
D, 8B; MAAA, OCGN, aDHwB, yBAAa, QAAb, mCCGxB, ChH+xBgC, sB; K; I+GhyB5E, 2C; MhJggIW, kBAAy, gB; M  
AoGH, Q; MA AhB, wBgJ7IIqB, UhJ6IIrB, gB; QAAgB, cgJ7IIK, UhJ6IIrB, M; QAAsB, IA AI, CgJ7IIk B, sBhJ6IIP, OgJ7II  
O, ChJ6IItB, C; UAAyB, WAAY, WAAI, OAAJ, C;; MgJ7II3D, qBhJ8IIO, W; MgJ7IIP, I1IgNwD, C0IhNpD, c1IgNqD, U0  
IhNzD, C; Q/GgKuC, U; Q+G/JnC, qB/G+JyD, OAAtB, +B+G/Jd, mB/G+Jc, uBAAsB, CAAO, W; QuGkO7C, kBAAhB, s  
B; QQ/XC, 0C; QACA, IA AI, E/G8QoC, 0BAAU, C+G9Q9C, CA AJ, C; UACI, 2BAAO, GAAP, C;; QA EW, sCAAa, GAA  
b, C; QALnB, sB/H4DG, WuHoUqC, W; QQzXxC, OAAO, I;; MAGX, OAAO, K; K; IAGX, 8C; MA OmB, c;; QhJi3YC, Q;  
QA AhB, wBgJj3YI, UhJi3YJ, gB; UAAgB, cgJj3YZ, UhJi3YJ, M; UAA sB, IggJ3YD, sBhJi3Ye, OgJj3Yf, ChJi3YC, C; YA  
AwB, aAAO, I; YAAP, e;;; QAC9C, aAAO, K;;; MgJl3YP, e; QACI, kBAA6B, MAAX, UAAW, C; Q/GyIM, U; Q+GxIb, a/  
GwImC, OAAtB, +B+GxIvB, mB/GwIuB, uBAAsB, CAAO, W; Q+GxIX, kBc/BjB, aD+BD, MC/BC, ChHg1C6C, uBA  
AzB, CAAYB, C; QbnmB9E, kBAA s, gB; QA2FA, U; QAAA, +B; QA AhB, OAAgB, gBA AhB, C; UAAgB, 6B; UAAM, I4  
HzyB4C, 4B5HyyB9B, S4HzyB8B, C5HyyB5C, C; YAAwB, WAAY, WAAI, SAAJ, C;; Q4HzyBtD, sBAAMf, e5H0yBh  
F, W4H1yBgF, EA Aa, GAAb, C; QACnF, OAAO, I;; MAGX, OAAO, K; K; IEnCP, iC; MA AQ, 8BAAY, IA AK, UAAjB, IA  
A8B, uBAAY, IA AK, mB; K; IA OvD, oC; MA AQ, 8BAAY, IA AK, a; K; ICZ7B, 4B; MAGI, OAAO, yBAAP, C; QACI, sBA  
AY, mCAAZ, C;; K; IA IR, uC; MAOI, sBAAY, sCAAgB, gBA Ae, IA Af, CAA5B, C; MACA, OAAO, S; K; ICbP, 4B; MA A  
Q, mB; K; IA CR, mC; MACI, eAAO, K; K; IA KX, 4B; MA AQ, mB; K; IA CR, mC; MACI, eAAO, K; K; iHCof, sJ; MA EyC, q  
B; QAAA, QA AkB, I; MAAM, qB; QAAA, QA AkB, I; MAAM, uB; QAAA, UAAoB, K; MA AO, yB; QAAA, YAA sB, I; MA  
AM, kC; QAAA, qBAA+B, I; MAAM, qC; QAAA, wBA AkC, K; MA AO, +C; QAAA, kCAA4C, K; MA AO, 4C; QAAA, +B  
AA yC, K; MACtT, QAAQ, E; MACR, EA AE, OAA F, IA Aa, K; MACb, EA AE, OAA F, IA Aa, K; MACb, EA AE, SAA F, IA A  
e, O; MACf, EA AE, WAA F, IA AiB, S; MACjB, EA AE, oBA AF, IA A0B, kB; MAC1B, EA AE, uBA AF, IA A6B, qB; MAC7  
B, EA AE, iCA AF, IA AuC, +B; MACvC, EA AE, 8BA AF, IA AoC, 4B; MACpC, OAAO, C; K; +GAw0BX, wD; MA EW, 6B  
; QAAA, gBA AyB, E; MA AI, uB; QAAA, UAAoB, K; MA AO, 0B; QAAA, aAAuB, K; MA AO, wB; QAAA, WAAqB, K; M  
AC/I, QAAQ, E; MACR, EA AE, eAA F, IA AqB, a; MACrB, EA AE, SAA F, IA Ae, O; MACf, EA AE, YAA F, IA AkB, U; MA  
CIB, EA AE, UAA F, IA AgB, Q; MACHB, OAAO, C; K; 6EA6CX, 4B; MA E6D, iBAAY, KAAZ, C; K; 6EA E7D, mC; MA Eo  
E, UAA Y, KAAZ, IA AqB, K; K; 6EAuBzF, 4B; MA E8D, iBAAY, KAAZ, C; K; 6EA E9D, mC; MA E9D, UAA Y, KAAZ, IA  
AqB, K; K; 6EAuB1F, 4B; MA E9E, iBAAY, KAAZ, C; K; 6EA ErE, mC; MA E4E, UAA Y, KAAZ, IA AqB, K; K; 6EAuBjG,  
4B; MA E+D, iBAAY, KAAZ, C; K; 6EA E/D, mC; MA EsE, UAA Y, KAAZ, IA AqB, K; K; 6EAuB3F, 4B; MA EgE, iBAAY,  
KAAZ, C; K; 6EA EhE, mC; MA EuE, UAA Y, KAAZ, IA AqB, K; K; 6EAuB5F, 4B; MA E6D, iBAAY, KAAZ, C; K; 6EA E7  
D, mC; MA EoE, UAA Y, KAAZ, IA AqB, K; K; 6EAuBzF, 4B; MA E8D, iBAAY, KAAZ, C; K; 6EA E9D, mC; MA E9E, UAA  
Y, KAAZ, IA AqB, K; K; 6EAuB1F, 4B; MA EiE, iBAAY, KAAZ, C; K; 6EA EjE, mC; MA EwE, UAA Y, KAAZ, IA AqB, K;  
K; 6EAuB7F, 4B; MA EkE, iBAAY, KAAZ, C; K; 6EA EIE, mC; MA EyE, UAA Y, KAAZ, IA AqB, K; K; 6GC3oC9F, wD; M

AEqC,6B;QAAA,gBAA+B,I;MAAM,uB;QAAA,UAAoB,K;MAAO,0B;QAAA,aAAuB,K;MAAO,wB;QAAA,WA  
AqB,K;MACpJ,QAAQ,E;MACR,EAAE,eAAF,IAAqB,a;MACrB,EAAE,SAAF,IAAe,O;MACf,EAAE,YAAF,IAA  
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V,6B;MAAC,qB;QAAA,8C;MAAA,kB;K;IACjC,2C;MAAA,e;MAAA,iB;MAAA,uB;K;IAAA,yC;MAAA,4C;O;  
MAKI,0E;MAEA,sE;K;;IAFA,kD;MAAA,+B;MAAA,0C;K;;IAEA,gD;MAAA,+B;MAAA,wC;K;;IAPJ,qC;MAA  
A,yF;K;;IAAA,0C;MAAA,a;aaaa,S;UAAA,+C;aaaa,O;UAAA,6C;;UAAA,8D;;K;;IA0BmC,sC;MACnC,8B;K;  
;IAMqC,sC;MACrC,8B;K;;IC5DJ,iC;K;;ICMA,4B;K;;IA6BA,gD;K;;IC5BA,qC;K;;IA0BA,+B;K;;ICNqC,uC;MA  
CjC,uB;QAAA,UAAsB,E;MACtB,qB;QAAA,+C;MADA,sB;MACA,kB;K;IAEA,4C;MAAA,e;MAAA,iB;MAAA,  
uB;K;IAAA,0C;MAAA,6C;O;MAKI,4E;MAGA,wE;K;;IAHA,mD;MAAA,gC;MAAA,2C;K;;IAGA,iD;MAAA,gC  
;MAAA,yC;K;;IARJ,sC;MAAA,2F;K;;IAAA,2C;MAAA,a;aaaa,S;UAAA,gD;aaaa,O;UAAA,8C;;UAAA,+D;;  
K;;IAyByB,4B;MACzB,8B;K;;IC/C4C,8B;K;kDAI5C,mB;MAA6D,c;;QrJ2rD7C,Q;QADhB,IAAI,mCAAsB,cAA  
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C;K;mDAE5C,iB;MAI4D,yBAAgB,IAAhB,EAAsB,KAAtB,C;K;;IC/BhE,8B;MAAA,e;MAAA,iB;MAAA,uB;K;I  
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EjE,gE;MACnC,gBAAe,4BAAS,W;MACxB,YAAW,yB;K;2DAEX,Y;MAEI,OAAO,YAAO,CAAP,IAAY,aAAS,  
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A,OAAO,aAAS,U;K;;sCAnBxB,Y;MAAuC,oD;K;;IA6B3C,gD;MACI,0B;MACA,4B;K;IAGuC,0E;MAAA,oD;M  
ACnC,gBAAe,iCAAS,W;MACxB,iBAAqB,E;MACrB,gBAAmB,I;K;gEAEnB,Y;MACI,OAAO,aAAS,UAAhB,C;  
QACI,WAAW,aAAS,O;QACpB,IAAI,CAAC,wCAAU,IAAV,CAAL,C;UACI,gBAAW,I;UACX,iBAAY,C;UACZ  
,M;;MAGR,iBAAY,C;K;8DAGhB,Y;MAMqB,Q;MALjB,IAAI,mBAAa,EAAjB,C;QACI,a;MAEJ,IAAI,mBAAa,  
CAAjB,C;QACI,aACa,gF;QACb,gBAAW,I;QACX,iBAAY,C;QACZ,OAAO,M;;MAEX,OAAO,aAAS,O;K;iEAG  
pB,Y;MACI,IAAI,mBAAa,EAAjB,C;QACI,a;MACJ,OAAO,mBAAa,CAAb,IAAkB,aAAS,U;K;;2CAIC1C,Y;MA  
AuC,yD;K;;IAuCN,+C;MAAC,sB;MAAiC,gC;K;0CACnE,Y;MAAuC,4BAAiB,aAAO,WAAxB,EAAoC,kBAApC  
,C;K;;IAGP,+C;MAAuE,2B;MAAtE,sB;MAAiC,gC;MACIE,kBAAuB,c;K;6CAEvB,Y;MACI,OAAO,aAAO,UAA  
d,C;QACI,WAAW,aAAO,O;QACIB,UAAU,mBAAy,IAAZ,C;QAEV,IAAI,eAAS,WAAI,GA AJ,CAAb,C;UACI,  
mBAAQ,IAAR,C;UACA,M;;MAIR,W;K;;IAKgC,0D;MAAC,wC;MAAuC,kC;K;IACrC,0E;MAAA,oD;MACnC,  
gBAAmB,I;MACnB,iBAAqB,E;K;oEAERB,Y;MACI,gBAAe,mBAAa,EAAjB,GAAqB,+CAArB,GAA4C,2CAAa,  
4BAAb,C;MACvD,iBAAgB,qBAAJ,GAAsB,CAAtB,GAA6B,C;K;8DAG7C,Y;MAMiB,Q;MALb,IAAI,iBAAY,C  
AAhB,C;QACI,iB;MAEJ,IAAI,mBAAa,CAAjB,C;QACI,MAAM,6B;MACV,aAAa,8D;MAEb,iBAAY,E;MACZ,  
OAAO,M;K;iEAGX,Y;MACI,IAAI,iBAAY,CAAhB,C;QACI,iB;MACJ,OAAO,mBAAa,C;K;;2CAx5B,Y;MAAu  
C,yD;K;;IA6B3C,kC;MAWI,OAAW,iDAAJ,GAAWC,SAAXC,GAakD,4BAAWB,SAAXB,C;K;IAeIB,uD;MAAA,  
qB;QAAE,6B;O;K;IAX7C,wC;MAWI,OAA2D,cAApD,sBAakB,YAAIB,EAAgC,qCAAhC,CAAoD,C;K;IAqBrC,  
iD;MAAA,mB;QAAE,mB;O;K;IAIB5B,gD;MAeI,OAAI,YAAJ,GACI,2BADJ,GAGI,sBAakB,+BAAIB,EAA4B,  
YAA5B,C;K;IAER,wD;MAcI,6BAakB,YAAIB,EAAgC,YAAhC,C;K;ILxpBJ,oB;MAAA,wB;MACI,8C;K;gCAE  
A,iB;MAA4C,oCAAmB,KAAM,U;K;kCACrE,Y;MAA+B,Q;K;kCAC/B,Y;MAAkC,W;K;gFAEX,Y;MAAQ,Q;K;i  
CAC/B,Y;MAAkC,W;K;wCACIC,mB;MAAmD,Y;K;6CACnD,oB;MAAmE,OAAA,QAAS,U;K;kCAE5E,Y;MAA  
6C,kC;K;uCAE7C,Y;MAAiC,6B;K;;IAdrC,gC;MAAA,+B;QAAA,c;;MAAA,wB;K;IAkBA,oB;MAIoC,6B;K;IAE

pC,2B;MAMmD,OAAI,QAAS,OAAT,GAAgB,CAApB,GAAgC,MAAT,QAAS,CAAhC,GAA6C,U;K;iFAEhG,yB ;MAAA,mD;MAAA,mB;QAKwC,iB;O;KALx C,C;6FAOA,yB;MAAA,uE;MAAA,mB;QAQsD,2B;O;KARtD,C;I AUA,kC;MAKiE,OAAS,aAAT,QAAS,EAAa,qBAAc,YAAY,QAAS,OAARb,CAAd,CAAb,C;K;uFAE1E,yB;MA AA,2D;MAAA,mB;QAGgD,qB;O;KAHhD,C;IAKA,+B;MAC2D,OAAS,aAAT,QAAS,EAAa,eAAQ,YAAY,QAA S,OAARb,CAAR,CAAb,C;K;2FAEpE,yB;MAAA,uE;MAAA,mB;QAMwD,2B;O;KANxD,C;IAQA,iC;MAKME,O AAS,aAAT,QAAS,EAAa,qBAAc,YAAY,QAAS,OAARb,CAAd,CAAb,C;K;IAE5E,+B;MAMyD,OAAI,eAAJ,GA AqB,MAAM,OAAN,CAARb,GAAyC,U;K;IAEIG,kC;MAQI,OAAgB,gBAAT,QAAS,EAAgB,sBAAhB,C;K;sFAG pB,yB;MavBA,uE;MbuBA,gC;QanB8B,gBAAnB,oB;QbqCiB,aS/CxB,W;QT+CA,OS9CO,SISwC,Q;O;KbmBnD, C;wFA0BA,yB;Ma1CA,wE;Mb0CA,0C;QatCsC,gBAA3B,mBb4DiB,Qa5DjB,C;Qb4D2B,aS7EIC,W;QT6EA,OS5 EO,SlgBgD,Q;O;KbsC3D,C;sFA+BA,yB;MAAA,mD;MAAA,4B;QAEkD,uCAAQ,U;O;KAF1D,C;IAIA,wC;MA AgD,QAAM,cAAN,C;aAC5C,C;UAD4C,OACvC,U;aACL,C;UAF4C,OAEvC,MAAM,oBAAW,OAAjB,C;;UAFu C,OAGpC,S;;K;IKnKZ,oD;MAQuF,wC;K;IARvF,8CASI,Y;MAAuC,8B;K;IAT3C,gF;I0KLA,yC;MzK4BI,IAAI,E yK3BI,OAAO,CAAP,IAAY,OAAO,CzK2BvB,CAAJ,C;QACI,cyK3BI,aAAJ,GACI,yEADJ,GAGI,8C;QzKyBJ,M AAM,gCAAYB,OAAQ,WAAjC,C;;K;IyKnBM,mI;MAAA,mB;QAAE,wBAAiB,gCAAjB,EAA6B,YAA7B,EAAM C,YAAnC,EAAYC,sBAAzC,EAAYD,mBAAzD,C;O;K;IAFtB,gF;MACI,oBAAoB,IAApB,EAA0B,IAA1B,C;MAC A,oCAAgB,6EAAhB,C;K;IAKyB,yL;MAAA,wC;MAAA,6B;MAAA,yB;MAAA,wC;MAAA,wC;MAAA,gD;MA AA,sD;MAAA,4D;MAAA,wB;MAAA,0B;MAAA,uB;MAAA,0B;MAAA,wB;MAAA,qB;MAAA,4B;MAAA,kC; K;;;2DAAA,Y;;;;cACrB,4BAAiC,eAAL,uBAAK,EAAa,IAAb,C;+BACvB,0BAAO,uBAAP,I;cACV,IAAI,kBAA O,CAAX,C;oCACiB,iBAAa,qBAAb,C;kCACF,C;gBACD,6C;gBAAV,iB;;;sCAaa,gBAAc,qBAAd,C;gBACH,+C; gBAAV,gB;;;;;cAAA,KAAU,2BAAV,C;gBAAA,gB;;;cAAU,kC;cACN,mBAAO,WAAI,GAAJ,C;cACP,IAAI,m BAAO,SAAX,C;gBACI,IAAI,mBAAO,KAAP,GAAc,uBAAiB,C;kBAA0B,sBAAS,mBAAO,kBAAuB,uBAAvB, C;kBAA8B,gB;;;kBAAxE,gB;;;gBADJ,gB;;;cAGI,gB;8BAAA,iCAAU,8BAAJ,GAAiB,mBAAjB,GAA6B,iBAA U,mBAAV,CAAnC,O;kBAAA,2C;uBAAA,yB;cAAA,Q;;cACA,mBAAO,qBAAy,uBAAZ,C;cAJX,gB;;;cAFJ,gB; ;cASA,IAAI,iCAAJ,C;gBACI,gB;;;gBADJ,iB;;;cACI,IAAO,mBAAO,KAAd,IAAqB,uBAArB,C;gBAAA,gB;;;c ACI,gB;8BAAA,iCAAU,8BAAJ,GAAiB,mBAAjB,GAA6B,iBAAU,mBAAV,CAAnC,O;kBAAA,2C;uBAAA,yB; cAAA,Q;;cACA,mBAAO,qBAAy,uBAAZ,C;cAFX,gB;;;cAIA,IjL4K4C,CiL5Kx C,mBjL4KyC,UiL5K7C,C;gBA AyB,iB;gCAAA,iCAAM,mBAAN,O;oBAAA,2C;yBAAA,yB;gBAAA,Q;;gBAAzB,iB;;;;cAjCR,W;;cA4BI,iB;;c A1BJ,iB;;cAGI,KAAU,yBAAV,C;gBAAA,iB;;;6BAAU,sB;cACN,IAAI,kBAAO,CAAX,C;gBAAgB,oCAAQ,CA AR,I;gBAAW,iB;;;gBAA3B,iB;;;cACA,iBAAO,WAAI,YAAJ,C;cACP,IAAI,iBAAO,KAAP,KAAe,uBAAnB,C;g BACI,iB;gCAAA,iCAAM,iBAAN,O;oBAAA,2C;yBAAA,yB;gBAAA,Q;;gBADJ,iB;;;cAEI,IAAI,8BAAJ,C;gBA AiB,iBAAO,Q;;gBAAa,oBAAS,iBAAU,uBAAV,C;cAC9C,kBAAO,c;cAHX,iB;;cAHJ,iB;;cASA,IjL+LgD,CiL/L 5C,iBjL+L6C,UiL/LjD,C;gBACI,IAAI,qCAAKB,iBAAO,KAAP,KAAe,uBAArC,C;kBAA2C,iB;kCAAA,iCAAM,i BAAN,O;sBAAA,2C;2BAAA,yB;kBAAA,Q;;kBAA3C,iB;;;gBADJ,iB;;;cAdJ,W;;cAcI,iB;;cAZJ,iB;;cAkCJ,W ;;;;;;;;;;K;IARCyB,sI;MAAA,yD;uBAAA,6K;YAAA,S;iBAAA,Q;;iBAAA,uB;O;K;IAF7B,6E;MACI,IAAI,CAA C,QAAS,UAA d,C;QAAYB,OAAO,2B;MACHC,OAAO,WAAkB,0EAAiB,C;K;IAwCwB,6B;MAA8B,uB;MAA7B, kB;MACHC,mBAA6B,C;MAC7B,eAAyB,C;K;2CAEzB,8B;MACI,+DAAkB,SAAiB,EAA6B,OAA7B,EAA sC,W AAK,KAA3C,C;MACA,mBAAiB,S;MACjB,eAAa,UAAU,SAAV,I;K;0CAGjB,iB;MACI,+DAAkB,KAAiB,EAA yB,YAAzB,C;MAEA,OAAO,wBAAK,mBAAy,KAAZ,IAAL,C;K;qFAGY,Y;MAAQ,mB;K;;IASR,wC;MAAqD,u B;MAApD,sB;MzKrDxB,IAAI,EyKuDQ,cAAc,CzKvDtB,CAAJ,C;QACI,cyKsD2B,wE;QzKrD3B,MAAM,gCAA yB,OAAQ,WAAjC,C;;MAFV,IAAI,EyKwDQ,cAAc,aAAO,OzKxD7B,CAAJ,C;QACI,gByKuDqC,wFAA+E,aAA O,O;QzKtD3H,MAAM,gCAAYB,SAAQ,WAAjC,C;;MyK2DV,kBAAuB,aAAO,O;MAC9B,oBAA8B,C;MAE9B,s BAAyB,U;K;kFAAzB,Y;MAAA,0B;K,OAAA,gB;MAAA,0B;K;uCAGA,iB;MAGW,Q;MAFP,+DAAkB,KAAiB, EAAyB,SAAZB,C;MAEA,OAAO,sBAmGmC,CAnG5B,iBAmG6B,GAnGV,KAmGU,IAAD,IAAa,eAnGhD,4D;K ;kCAGX,Y;MAAe,qBAAQ,e;K;IAEgB,4D;MAAA,sC;MAAS,2B;MAC5C,eAAoB,oB;MACpB,eAAoB,4B;K;8D AEpB,Y;MAKgB,Q;MAJZ,IAAI,iBAAS,CAAb,C;QACI,W;;QAGA,mBAAQ,sCAAQ,YAAP,4DAAR,C;QACA,e AoFkC,CAPf1B,YAoF2B,GAPfB,CAoFa,IAAD,IAAa,+B;QANf/C,mC;;K;;oCAXZ,Y;MAAuC,kD;K;2CAGvC,i B;MAGiE,UAQ1C,MAR0C,EAe1C,MAf0C,EAqBtD,M;MAtBP,aACQ,KAAM,OAAN,GAAa,IAAK,KAAtB,GA AkC,UAAN,KAAM,EAAO,IAAK,KAAZ,CAAIC,GAAyD,kD;MAE7D,WAAW,IAAK,K;MAEhB,WAAW,C;MA

CX,UAAU,iB;MAEV,OAAO,OAAO,IAAP,IAAe,MAAM,eAA5B,C;QACI,OAAO,IAAP,IAAe,wBAAO,GAAP,gE;QACf,mB;QACA,iB;;MAGJ,MAAM,C;MACN,OAAO,OAAO,IAAd,C;QACI,OAAO,IAAP,IAAe,wBAAO,GAAP,gE;QACf,mB;QACA,iB;;MAEJ,IAAI,MAAO,OAAP,GAAC,IAAK,KAAvB,C;QAA6B,OAAO,IAAK,KAAZ,IAAoB,I;MAEjD,OAAO,uD;K;mCAGX,Y;MACI,OAAO,qBAAQ,gBAAa,SAAb,OAAR,C;K;4CAGX,uB;MAKI,kBAAoD,eAAjC,mBAAy,mBAAa,CAAzB,IAA8B,CAA9B,IAAiC,EAAa,WAAb,C;MACpD,gBAAoB,sBAAc,CAAlB,GAA4B,UAAP,aAAO,EAAO,WAAP,CAA5B,GAAqD,qBAAQ,gBAAa,WAAb,OAAR,C;MACrE,OAAO,eAAW,SAAX,EAA5B,SAAtB,C;K;qCAGX,mB;MAII,IAAI,aAAJ,C;QACI,MAAM,6BAAsB,qBAAtB,C;;MAGV,cA6B0C,CA7BnC,iBA6BoC,GA7BjB,SA6BiB,IAAD,IAAa,eA7BvD,IAAmC,O;MACnC,6B;K;+CAGJ,a;MzKhJA,IAAI,EyKoJQ,KAAK,CzKpJb,CAAJ,C;QACI,cyKmJkB,wC;QzKIJIB,MAAM,gCAAyB,OAAQ,WAAjC,C;;MAFV,IAAI,EyKqJQ,KAAK,SzKrJb,CAAJ,C;QACI,gByKoJqB,wEAA8D,S;QzKnJnF,MAAM,gCAAyB,SAAQ,WAAjC,C;;MyKqJN,IAAI,IAAI,CAAR,C;QACI,YAAY,iB;QACZ,UAGBsC,CAhB5B,KAgB6B,GAhBf,CAGBe,IAAD,IAAa,e;QAdnD,IAAI,QAAQ,GAAZ,C;UACW,OAAP,aAAO,EAAK,IAAL,EAAW,KAAx,EAaKB,eAAlB,C;UACA,OAAP,aAAO,EAAK,IAAL,EAAW,CAAX,EAAC,GAAd,C;;UAEA,OAAP,aAAO,EAAK,IAAL,EAAW,KAAx,EAaKB,GAAIB,C;;QAGX,oBAAa,G;QACb,wBAAQ,CAAR,I;;K;qCAKR,wB;MAC8C,QAAC,YAAO,CAAP,IAAD,IAAa,e;K;;IA9G3D,0C;MAAA,oD;MAA6B,uBAAK,gBAAMb,QAAnB,OAAL,EAAMc,CAAnC,C;MAA7B,Y;K;ICvFJ,0C;MAII,QAAQ,I;MACR,QAAQ,K;MACR,YAAY,kBAAM,CAAC,OAAO,KAAP,IAAD,IAAiB,CAAjB,IAAN,C;MACZ,OAAO,KAAK,CAAZ,C;QACI,OtL+B4E,0BsL/BrE,kBAAM,CAAN,CtL0Q2B,KAAL,GAAiB,GA308B,EsL/B1D,KtL0QgB,KAAL,GAAiB,GA308B,CsL/BrE,IAAP,C;UACI,a;;QACJ,OtL6B4E,0BsL7BrE,kBAAM,CAAN,CtLwQ2B,KAAL,GAAiB,GA308B,EsL7B1D,KtLwQgB,KAAL,GAAiB,GA308B,CsL7BrE,IAAP,C;UACI,a;;QACJ,IAAI,KAAK,CAAT,C;UACI,UAAU,kBAAM,CAAN,C;UACV,kBAAM,CAAN,EAAW,kBAAM,CAAN,CAAX,C;UACA,kBAAM,CAAN,EAAW,GAAX,C;UACA,a;UACA,a;;MAGR,OAAO,C;K;IAGX,uC;MAGI,YAAY,aAAU,KAAV,EAaiB,IAAjB,EAauB,KAAvB,C;MACZ,IAAI,QAAO,QAAQ,CAAR,IAAP,CAAJ,C;QACI,UAAU,KAAV,EAaiB,IAAjB,EAauB,QAAQ,CAAR,IAAvB,C;MACJ,IAAI,QAAQ,KAAZ,C;QACI,UAAU,KAAV,EAaiB,KAAjB,EAawB,KAAxB,C;K;IAGR,0C;MAII,QAAQ,I;MACR,QAAQ,K;MACR,YAAY,kBAAM,CAAC,OAAO,KAAP,IAAD,IAAiB,CAAjB,IAAN,C;MACZ,OAAO,KAAK,CAAZ,C;QACI,OpLM6E,0BoLNtE,kBAAM,CAAN,CpL0O2B,KAAL,GAAiB,KApO+B,EoLN3D,KpL0OgB,KAAL,GAAiB,KApO+B,CoLNtE,IAAP,C;UACI,a;;QACJ,OpLI6E,0BoLJtE,kBAAM,CAAN,CpLwO2B,KAAL,GAAiB,KApO+B,EoLJ3D,KpLwOgB,KAAL,GAAiB,KApO+B,CoLJtE,IAAP,C;UACI,a;;QACJ,IAAI,KAAK,CAAT,C;UACI,UAAU,kBAAM,CAAN,C;UACV,kBAAM,CAAN,EAAW,kBAAM,CAAN,CAAX,C;UACA,kBAAM,CAAN,EAAW,GAAX,C;UACA,a;UACA,a;;MAGR,OAAO,C;K;IAGX,yC;MAGI,YAAY,aAAU,KAAV,EAaiB,IAAjB,EAauB,KAAvB,C;MACZ,IAAI,QAAO,QAAQ,CAAR,IAAP,CAAJ,C;QACI,YAAU,KAAV,EAaiB,IAAjB,EAauB,QAAQ,CAAR,IAAvB,C;MACJ,IAAI,QAAQ,KAAZ,C;QACI,YAAU,KAAV,EAaiB,KAAjB,EAawB,KAAxB,C;K;IAGR,0C;MAII,QAAQ,I;MACR,QAAQ,K;MACR,YAAY,kBAAM,CAAC,OAAO,KAAP,IAAD,IAAiB,CAAjB,IAAN,C;MACZ,OAAO,KAAK,CAAZ,C;QACI,OrK5C+D,aqK4CxD,kBAAM,CAAN,CrK5C0E,KAAIB,EqK4C7C,KrK5C2E,KAA9B,CqK4CxD,IAAP,C;UACI,a;;QACJ,OrK9C+D,aqK8CxD,kBAAM,CAAN,CrK9C0E,KAAIB,EqK8C7C,KrK9C2E,KAA9B,CqK8CxD,IAAP,C;UACI,a;;QACJ,IAAI,KAAK,CAAT,C;UACI,UAAU,kBAAM,CAAN,C;UACV,kBAAM,CAAN,EAAW,kBAAM,CAAN,CAAX,C;UACA,kBAAM,CAAN,EAAW,GAAX,C;UACA,a;UACA,a;;MAGR,OAAO,C;K;IAGX,yC;MAGI,YAAY,aAAU,KAAV,EAaiB,IAAjB,EAauB,KAAvB,C;MACZ,IAAI,QAAO,QAAQ,CAAR,IAAP,CAAJ,C;QACI,YAAU,KAAV,EAaiB,IAAjB,EAauB,QAAQ,CAAR,IAAvB,C;MACJ,IAAI,QAAQ,KAAZ,C;QACI,YAAU,KAAV,EAaiB,KAAjB,EAawB,KAAxB,C;K;IAKR,gD;MAI6E,UAAU,KAAV,EAaiB,SAAjB,EA4B,UAA

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AQ, WAAjC, C;; K; IwLsVd, yC; MxLxVI, IAAI, EwLwV6D, QAAQ, IxLxVrE, CAAJ, C; QACI, cwLuV6E, +B; QxLTV7E  
, MAAM, gCAAyB, OAAQ, WAAjC, C;; K; IwLwVd, yC; MAAYD, oCAA0B, IAA1B, qBAAiC, KAAjC, kB; K; ICrXzD, 6  
B; MAOqC, OpMmYE, SoMnYF, mBpMmYE, C; K; IoMjYvC, sC; MASgD, 6BAAS, WAAT, EAAa, KAAb, C; K; IAEhD  
, 4C; MAUI, qBAAqB, IAARb, EAA2B, KAA3B, C; MAEA, iBAAiB, IpMqQgB, KoMrQhB, GAAiB, W; MACiC, kBAAk  
B, KpMoQe, KoMpQf, GAAkB, W; MAEPc, mBAAmB, 0BAAQ, UAAR, EAAoB, WAApB, IAAqC, W; MACxD, OpMs  
WmC, SoMtW5B, YpMsW4B, C; K; IoMnWvC, sC; MAWI, IAAA, KAAM, UAAN, C; QAAmB, MAAM, gCAAyB, uCA  
AoC, KAA7D, C;; QACzB, IpMGkE, YoMHIE, KAAM, KpMG6E, KAAjB, EoMHRd, 4BAAK, UpMG6E, KAA7B, CoM  
HIE, K; UAFiD, OAEiB, sBAAS, KAAM, MAaf, EpMqBsB, SoMrBA, KAAM, KpMqBI, KAAK, GAAW, CoMrBb, Wp  
MqBa, MAAX, IAaf, CoMrBtB, C;; UAC/B, IpMEkE, YoMFIE, KAAM, MpME6E, KAAjB, EoMFPd, 4BAAK, UpME4  
E, KAA7B, CoMFIE, K; YAHid, OpMuBI, SoMpBrB, sBpMiCsB, SoMjCb, KAAM, MpMiCiB, KAAK, GAAY, CoMjC1  
B, WpMiC0B, MAAZ, IAaf, CoMjCtB, EAA2B, KAAM, KAAjC, CpMoB+B, KAAK, GAAW, CoMpBN, WpMoBM, M  
AAX, IAaf, C;; YoMvBJ, OAIzC, mB;;; K; IAGZ, 8B; MAOuC, OpL0VG, UoL1VH, oBpL0VG, C; K; IoLxV1C, uC; MAS  
mD, 8BAAU, 2BAAV, EAAe, KAAf, C; K; IAEhD, 6C; MAUI, sBAAsB, IAAtB, EAA4B, KAA5B, C; MAEA, iBAAiB, Ip  
LwNkB, KoLxNIB, 8B; MACjB, kBAAkB, KpLuNiB, KoLvNjB, 8B; MAEiB, mBAAmB, 2BAAS, UAAT, EAAqB, WA  
ArB, +B; MACnB, OpL6TsC, UoL7T/B, YpL6T+B, C; K; IoL1T1C, uC; MAWI, IAAA, KAAM, UAAN, C; QAAmB, MA  
AM, gCAAyB, uCAAoC, KAA7D, C;; QACzB, IpL7CmE, aoL6CnE, KAAM, KpL7C+E, KAAiB, EoL6CtD, 6BAAM, Up  
L7C8E, KAA9B, CoL6CnE, K; UAFoD, OAEpB, uBAAU, KAAM, MAAhB, EpLhCuB, UoLgCA, KAAM, KpLhCK, KA  
AK, KAAW, ChBsQ7C, UAAW, oBAAL, CoMtOyB, WpMsOzB, MAAK, CAAL, iBAAN, CgBtQ6C, MAAX, CAAhB,  
CoLgCvB, C;; UACHc, IpL9CmE, aoL8CnE, KAAM, MpL9C+E, KAAiB, EoL8CrD, 6BAAM, UpL9C6E, KAA9B, CoL  
8CnE, K; YAHoD, OpL9BG, UoLiCtB, uBpLpBuB, UoLoBb, KAAM, MpLpBkB, KAAK, UAAY, ChByP/C, UAAW, oB  
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X, CAAhB, C;; YoL8BH, OAI5C, oB;;; K; IAGZ, sC; MAQI, 4BAAU, Kjk4+FH, Qik5+FP, C; MACA, OAAO, K; K; IAGX  
, uC; MAKsD, OjK2iG3C, eiK3iG2C, 4BAAU, IAAV, CjK2iG3C, C; K; IiKziGX, 4D; MAOGd, yB; QAAA, YAAiB, C; M  
AAG, uB; QAAA, UAAe, KAAM, K; MACrF, 4BAAU, KjkY9FH, QikZ9FP, EAA+B, SAA/B, EAA0C, OAA1C, C; MAC  
A, OAAO, K; K; IAIX, 2C; MzLrHI, IAAI, EX2B8D, YoM0FD, KpM1FkB, KAAjB, EoM0FO, IpM1FsB, KAA7B, CoM0F  
D, IzLrH7D, CAAJ, C; QACI, cyLoH6E, +B; QzLnH7E, MAAM, gCAAyB, OAAQ, WAAjC, C;; K; IyLoHd, 4C; MzLrHI, I  
AAI, EKmC+D, aoLmFC, KpLnFiB, KAAiB, EoLmFS, IpLnFqB, KAA9B, CoLmFC, IzLrHhE, CAAJ, C; QACI, cyLqHg  
F, +B; QzLpHhF, MAAM, gCAAyB, OAAQ, WAAjC, C;; K; I0LpBc, 6C; MAScxB, oC; MA/BA, iB; MANA, Y; MACA, Y;  
MACA, Y; MACA, Y; MACA, Y; MACA, sB; MILYA, IAAI, E0LLQ, CAAC, WAAK, QAAL, GAAU, QAAV, GAAe, QA  
Af, GAAoB, QAArB, MAA2B, C1LKnC, CAAJ, C; QACI, c0LNwC, wD; Q1LOxC, MAAM, gCAAyB, OAAQ, WAAjC,  
C;; MGoHV, iBAAc, CAAd, UuLxHW, EvLwHX, U; QuLxHiB, c;; K; qCAGjB, Y; MAGI, QAAQ, Q; MACR, IAAI, IAAO,  
MAAO, C; MACiB, WAAI, Q; MACJ, WAAI, Q; MACJ, WAAI, Q; MACJ, SAAS, Q; MACT, WAAI, E; MACJ, IAAK, IAA  
O, KAAM, CAAd, GAAsB, EAAtB, GAA8B, MAAO, C; MACzC, WAAI, C; MACJ, gCAAU, MAAV, I; MACA, OAAO, I  
AAI, aAAJ, I; K; 8CAGX, oB; MACI, OAAU, cAAV, cAAU, EAAc, QAAAd, C; K; IAEd, kC; MAAA, sC; MACI, 4B; K;; IAD  
J, 8C; MAAA, 6C; QAAA, 4B;; MAAA, sC; K;; IA7BA, gD; MAAA, sD; MACQ, yBAAK, KAAL, EAAY, KAAZ, EAAMb,  
CAAnB, EAAsB, CAAtB, EAA+B, CAAN, KAAzB, EAAuC, SAAU, EAAX, GAAoB, UAAW, CAArE, C; MADR, Y; K; I  
CbiD, 8C; MACjD, 4B; MACA, 0C; K; oEADA, Y; MAAA, 2B; K; 2EACA, Y; MAAA, kC; K; uCAGA, iB; MACI, OAAO, 0  
CAAgC, kBAAa, KAAM, UAAnB, KAC/B, mBAAS, KAAM, MAaf, KAAwB, 0BAAgB, KAAM, aAAtB, CADo, CAA  
hC, C; K; yCAIX, Y; MACI, OAAW, cAAJ, GAAe, EAaf, GAAuB, MAAW, SAAN, UAAM, CAAX, QAAqC, SAAb, iBA  
Aa, CAArC, I; K; yCAGIC, Y; MAAkC, OAAE, UAAF, qBAAU, iB; K;; IAGhD, kC; MAM6E, 2BAAgB, SAAhB, EAAsB, I  
AAtB, C; K;;; 0DAYzE, iB; MAA2C, qCAAiB, UAAjB, EAAwB, KAAxB, KAAkC, 8BAAiB, KAAjB, EAAwB, iBAAXB,  
C; K; iDAC7E, Y; MAAkC, QAAC, 8BAAiB, UAAjB, EAAwB, iBAAXB, C; K;; IACr, gD; MAI3B, gBAAqB, K; MACrB, u  
BAA4B, Y; K; OFACD, Y; MAAQ, oB; K; iGACD, Y; MAAQ, 2B; K; 2DAE1C, gB; MAA+D, YAAK, C; K; mDAEPe, iB; M  
AAgD, gBAAS, aAAT, IAAMb, SAAS, oB; K; 0CAC5E, Y; MAAkC, SAAE, iBAAU, oBAAZ, C; K; yCAEIC, iB; MACI, O

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c,CAAvc,I;K;2CAGIC,Y;MAAkC,OAAE,aAAF,qBAAW,oB;K;;IAGjD,oC;MAOqF,6BAakB,SAAIB,EAAwB,IA  
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K;0DAEzC,gB;MAA6D,YAAK,C;K;kDAEIE,iB;MAA+C,gBAAS,aAAT,IAAmB,SAAS,oB;K;yCAC3E,Y;MAAk  
C,SAAE,iBAAU,oBAAZ,C;K;wCAEIC,iB;MACI,OAAO,2CAA8B,kBAaA,KAAM,UAAAnB,KAC7B,kBAAU,KA  
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B;K;;IAGjD,oC;MAOkF,4BAAiB,SAAjB,EAAuB,IAAvB,C;K;oFAGIF,8B;MAQI,0BAAmB,2BAAS,OAAT,C;K;  
IAGvB,+C;MACI,IAAI,CAAC,UAAAL,C;QAAiB,MAAM,gCAAYB,iCAA8B,IAA9B,iBAAZB,C;K;IC5I3B,gC;MA  
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I;K;,,,,;ICvBhB,yC;MA2B9B,uC;MA1BA,wB;MAIA,gB;M7LQA,IAAI,E6LDS,iBAAY,IAAb,MAAuB,iBAAvB,  
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MAK+C,OAAM,WAAN,KAAM,yC;K;uDAErD,iB;MAKgD,OAAM,aAAN,KAAM,yC;K;uDAEtD,iB;MASkD,O  
AAM,aAAN,KAAM,yC;K;wDAGxD,iB;MAKgD,OAAM,WAAN,KAAM,0C;K;wDAEtD,iB;MAKiD,OAAM,aA  
AN,KAAM,0C;K;wDAEvD,iB;MASmD,OAAM,aAAN,KAAM,0C;K;wDAGzD,iB;MAKgD,OAAM,WAAN,KA  
AM,0C;K;wDAEtD,iB;MAKiD,OAAM,aAAN,KAAM,0C;K;wDAEvD,iB;MASmD,OAAM,aAAN,KAAM,0C;K;  
mDAGzD,iB;MAK2C,OAAM,WAAN,KAAM,qC;K;mDAEjD,iB;MAK4C,OAAM,aAAN,KAAM,qC;K;mDAEID  
,iB;MAS8C,OAAM,aAAN,KAAM,qC;K;mDAGpD,iB;MAK2C,OAAM,WAAN,KAAM,qC;K;mDAEjD,iB;MAK  
4C,OAAM,aAAN,KAAM,qC;K;mDAEID,iB;MAS8C,OAAM,aAAN,KAAM,qC;K;iDAGpD,iB;MAKyC,OAAM,  
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AM,mC;K;gDAGID,iB;MAKwC,OAAM,WAAN,KAAM,kC;K;gDAE9C,iB;MAKyC,OAAM,aAAN,KAAM,kC;K  
;gDAE/C,iB;MAS2C,OAAM,aAAN,KAAM,kC;K;iDAEjD,iB;;QAY4C,OACxC,cAAc,KAAAd,EAAiC,KAAjC,C;;  
QACF,+C;UACE,MAAM,6BAAyB,sCAAmC,KAAAnC,OAAzB,EAASe,CAAtE,C;;UAHkC,O;;K;0DAM5C,iB;;Q  
AMqD,OACjD,cAAc,KAAAd,EAAiC,IAAjC,C;;QACF,+C;UACE,MAAM,6BAAyB,0CAAuC,KAAvC,OAAzB,EA  
A0E,CAA1E,C;;UAH2C,O;;K;uDAMrD,iB;;QAWmD,OAC/C,cAAc,KAAAd,EAAiC,KAAjC,C;;QACF,+C;UAFiD,  
OAG/C,I;;UAH+C,O;;K;gEAMnD,iB;;QAK4D,OACxD,cAAc,KAAAd,EAAiC,IAAjC,C;;QACF,+C;UAF0D,OAGx  
D,I;;UAHwD,O;;K;;;IA/XhE,0C;MAAA,yC;QAAA,wB;;MAAA,kC;K;oCAwYA,Y;MAC6C,kBAAy,YAAD,aAA  
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,KAAM,WAAN,IAAqB,IAAK,WAAL,KAakB,KAAM,WAAxB,gBAAoC,CAA7D,C;UACI,OAAO,I;;UAEP,MAAM,gCAAyB,2EAazB,C;WAEEd,IAAA,KAAM,aAAN,C;QAAsB,OAAO,K;MAI7B,KA7a0C,eAAS,QAAT,GAAqB,CA6a/D,OAA0B,KA7agB,WAAS,QAAT,GAAqB,CA6a/D,E;QACI,aAAa,IAAK,QAAL,KAAa,KAAM,QAAAnB,C;QAET,uB;UACI,iCAA0B,MAA1B,C;;UAEA,kCAA2B,MAA3B,C;aAGZ,IAAA,IAAK,eAAL,C;QACI,mCAAqB,IAAK,QAA1B,EAAiC,KAAM,QAAvC,C;;QAEA,mCAAqB,KAAM,QAA3B,EAAkC,IAAK,QAAvC,C;MAbR,W;K;gDAiBJ,kC;MAGW,Q;MAFP,kBAakB,cAAc,UAd,C;MACIB,mBAAmB,eAAa,WAAb,C;MACZ,IAAI,8EAAsC,mBAAtC,CAAJ,C;QACH,yBAAYB,oBAAa,cAAc,WAAAd,CAAb,C;QACzB,uBAAGB,cAAc,YAAAd,MAA8B,kBAA9B,CAAhB,C;;QAEA,wBAA8B,WAAb,YAAa,yBAAsB,UAtB,CAA9B,C;;MAJJ,W;K;sCAQJ,iB;MAMuD,wBAAS,KAAD,aAAR,C;K;uCAEvD,iB;MAQe,UAUJ,M;MAXP,IAAI,iBAAJ,C;QAEQ,cAAS,CAAT,C;UAAc,MAAM,gCAAyB,mEAazB,C;aACpB,YAAQ,CAAR,C;UAAa,W;;UACL,OAAC,IAAD,a;QAHZ,W;;MAMJ,IAAI,UAAS,CAAb,C;QAAGB,OAAO,qC;MAEvB,YAAY,Y;MACZ,aAAa,mCAAQ,KAAR,E;MACN,IAAI,kBAAJ,C;QACH,IAAI,yEAAJ,C;UAEI,yBAAGB,MAAhB,C;;UAEA,IAAI,sCAAS,KAAT,IAAkB,KAAIB,CAAJ,C;YACI,mCAA0B,MAA1B,C;;YAEA,aAAa,cAAc,KAAAd,C;YACb,eAAe,eAAQ,cAAc,MAAd,CAAR,C;YACf,mBAAmB,oCAAS,KAAT,E;YACnB,kBAakB,iBAae,cAAc,sCAAW,KAAX,EAAd,CAAF,C;YACIB,IAAI,4CAAE,KAAf,IAAwB,MAAxB,KAakC,gBAAGB,YAAhB,gBAAGC,CAAtE,C;cACI,0BAA6B,WAAZ,WAAy,EAAS,8BAAa,UAAb,CAAT,CAA7B,C;;cAEA,SAAI,YAAM,WAAN,KAAM,CAAN,EAAMB,WAAN,KAAM,CAANB,IAA0B,CAA9B,GAAiC,yCAAjC,GAA+C,qD;;;;;QAK3D,IAAI,sCAAS,KAAT,IAAkB,KAAIB,CAAJ,C;UACI,0BAAwB,WAAP,MAAO,EAAS,8BAAa,UAAb,CAAT,CAAxB,C;;UAEA,SAAI,YAAM,WAAN,KAAM,CAAN,EAAMB,WAAAN,KAAM,CAANB,IAA0B,CAA9B,GAAiC,yCAAjC,GAA+C,qD;;MAvBvD,a;K;uCA4BJ,iB;MASI,eAAqB,WAAAN,KAAM,C;MACrB,IAAa,QAAT,KAAuB,KAA3B,C;QACI,OAAO,mBAAM,QAAN,C;;MAGX,WAAW,kB;MACX,aAAa,sBAAS,IAAT,IAAiB,K;MAC9B,OAAC,aAAP,MAAO,EAAW,IAAX,C;K;qCAGIB,iB;MAQe,Q;MADX,IAAI,UAAS,CAAb,C;QAEQ,sB;UAAgB,gD;aAchB,sB;UAAgB,4D;;UACR,MAAM,gCAAyB,4DAAzB,C;QAHIB,W;;MAMJ,IAAI,kBAAJ,C;QACI,OAAO,gBAAGB,qCAAQ,KAAR,EAAhB,C;;QAEp,IAAI,iBAAJ,C;UACI,OAAO,mBAAa,WAAN,KAAM,CAAb,C;QAEX,aAAa,qCAAQ,KAAR,E;QAEb,IAAI,kEAAgC,mBAAhC,CAAJ,C;UACI,UAAU,cAAc,sBAAS,oCAAS,KAAT,EAAT,CAAd,0BAA0C,KAA1C,E;UACV,OAAO,gBAAGB,cAAc,MAAd,MAAwB,GAAxB,CAAhB,C;;QAEX,OAAO,iBAAiB,MAAjB,C;;K;qCAIf,iB;MAOI,eAAqB,WAAAN,KAAAM,C;MACrB,IAAa,QAAT,KAAuB,KAAvB,IAAgC,aAAY,CAAhD,C;QACI,OAAO,iBAAI,QAAl,C;;MAGX,WAAW,kB;MACX,aAAa,sBAAS,IAAT,IAAiB,K;MAC9B,OAAC,aAAP,MAAO,EAAW,IAAX,C;K;oCAGIB,iB;MAEI,kBAakB,SAAM,IAAK,cAAX,EAAwB,KAAM,cAA9B,C;MACIB,OAAO,IAAK,kBAAS,WAAT,CAAL,GAA6B,KAAM,kBAAS,WAAT,C;K;oCAG9C,Y;MACmC,oCAAW,C;K;oCAE9C,Y;MACmC,oCAAW,C;K;oCAE9C,Y;MACmC,+BAAY,yCAAS,WAArB,KAAiC,wBAAY,qDAAa,WAAzB,C;K;kCAEpE,Y;MACiC,QAAC,iB;K;yFAGC,Y;MAAQ,OAAI,iBAAJ,GAAMB,IAAD,aAAIB,GAA6B,I;K;yCAExE,iB;MACI,kBAakB,IAAK,WAAL,KAakB,KAAM,WAAxB,C;MACIB,IAAI,yBAAc,CAAd,IAAmB,CAAA,WAAy,QAaz,GAAwB,CAAxB,MAA6B,CAApD,C;QACI,OAAO,IAAK,WAAS,iBAAU,KAAM,WAAhB,C;MAEzB,QAAQ,CA11BsC,eAAS,QAAT,GAaQb,CA01B3D,KAAyB,KA11Ba,WAAS,QAAT,GAAqB,CA01B3D,K;MACR,OAAW,iBAAJ,GAakB,CAAC,CAAD,IAAIB,GAA0B,C;K;uHAMrC,kB;MAeI,OAAO,OAAO,gBAAP,EAaOB,mBAAPB,EAaOC,qBAAPC,EAAsD,qBAAtD,EAawE,yBAAxE,C;K;uHAGX,kB;MAcI,OAAO,OAAO,iBAAP,EAaqB,qBAArB,EAaUC,qBAAvC,EAAYD,yBAAzD,C;K;uHAGX,kB;MAaI,OAAO,OAAO,mBAAP,EAaUB,qBAAvB,EAAYC,yBAAzC,C;K;uHAGX,kB;MAYI,OAAO,OAAO,mBAAP,EAaUB,yBAAvB,C;K;0FAKP,Y;MAAQ,OAAI,iBAAJ,GAakB,CAAIB,GAA0B,6CAAE,EAaf,EAAMB,Q;K;4FAIrD,Y;MAAQ,OAAI,iBAAJ,GAakB,CAAIB,GAA0B,+CAAiB,EAajB,EAaqB,Q;K;4FAIvD,Y;MAAQ,OAAI,iBAAJ,GAakB,CAAIB,GAA0B,+CAAiB,EAajB,EAaqB,Q;K;gGAIvD,Y;MACIsB;QADI,OACY,C;WACHB,wB;QAFLOAEY,cAAc,wCAAQ,IAAR,EAAd,CAA6B,Q;;QAFzC,OAGK,wCAAQ,UAAR,EAaUB,Q;K;0CAMxC,gB;MAQiB,UAAN,M;MAAM,sB;MACT,iBAAA,yCAAS,WAAT,E;QAA4B,SAAP,wCAAO,kB;WAC5B,iBAAA,qDAAa,WAAb,E;QAAgC,SAAP,wCAAO,kB;;QAG5B,6BAAoB,YAAM,WAA1B,EAAsC,kBAAtC,EAAMD,IAAnD,C;;MALR,a;K;wCAUJ,gB;MAUiB,UAAN,M;MAAM,sB;MACT,iBAAA,yCAAS,WAAT,E;;WACA,iBAAA,qDAAa,WAAb,E;;;QACQ,+BAAoB,YAApB,EAa2B,kBAA3B,EAawC,IAAxC,C;MAHZ,a;K;uCAOJ,gB;MAUI,OAAa,WAAb,oBAAO,IAAP,CAAA,4BAAyD,Q;K;kFAKhD,Y;MAAQ,6D;K;mfAKP,Y;MAAQ,8D;K;qFAKN,Y;MAAQ,gE;K;qFAKR,Y;MAAQ,gE;K;0FAKH,Y;MAAQ,qE;K;0FAKR,Y;MAA

Q,qE;K;yFAKT,Y;MAAQ,oE;K;uFASrC,Y;MAAQ,2D;K;wFAQR,Y;MAAQ,4D;K;0FAQR,Y;MAAQ,8D;K;0FAQR,Y;MAAQ,8D;K;+FAQR,Y;MACI,OAAW,uBAAGB,eAApB,GAAgC,YAAhC,GAA2C,4D;K;+FAatD,Y;MAAQ,mE;K;8FAyR,Y;MAEW,Q;MADP,YAAY,Y;MAER,uB;QAaE,Y;WACf,8C;;WACA,+C;;QACQ,qBAAc,KAA d,C;MAJZ,W;K;2CAUR,Y;MASuC,8B;K;4CAEvC,Y;MASwC,+B;K;kCAExC,Y;MAuBwC,Q;MAAA,sB;MACp C,qB;QAD8B,OACxB,I;WACN,iBAAA,yCAAS,WAAT,E;QAF8B,OAET,U;WACrB,iBAAA,qDAAa,WAAb,E;Q AH8B,OAGL,W;;QAErB,iBAAiB,iB;Q8HzhBF,gBAAhB,sB;Q9H2hBK,e;UAAgB,yBAAO,EAAP,C;QACF,YAA d,kB;QA9RD,WAAO,iB;QAAP,YAAoB,oB;QAAPB,cAAoC,sB;QAAPC,cAAAsD,sB;QAAtD,kBAAwE,0B;QAsS/ D,0B;QAPJ,cAAc,iB;QACd,eAAe,UAAAS,C;QACxB,iBAAiB,YAAW,C;QAC5B,iBAAiB,YAAW,CAAX,IAAgB, gBAaE,C;QACHd,iBAAiB,C;QACjB,IAAI,OAAJ,C;UACI,yBAAO,IAAP,CAAa,gBAAO,GAAP,C;UACb,+B;;Q AEJ,IAAI,aAAa,YAAY,cAAc,UAA1B,CAAb,CAAJ,C;UACI,IAAI,6DAAe,CAAnB,C;YAAsB,yBAAO,EAAP,C; UACtB,yBAAO,KAAP,CAAc,gBAAO,GAAP,C;;QAEIB,IAAI,eAAe,eAAe,YAAY,OAA3B,CAAf,CAAJ,C;UACI ,IAAI,6DAAe,CAAnB,C;YAAsB,yBAAO,EAAP,C;UACtB,yBAAO,OAAP,CAAgB,gBAAO,GAAP,C;;QAEpB,I AAI,UAAJ,C;UACI,IAAI,6DAAe,CAAnB,C;YAAsB,yBAAO,EAAP,C;UAEIB,gBAAW,CAAX,IAAgB,OAAhB,I AA2B,QAA3B,IAAuC,UAAvC,C;YACI,mCAAiB,OAAjB,EAA0B,WAA1B,EAAuC,CAAvC,EAA0C,GAA1C,E AA2D,KAA3D,C;eACJ,mBAaE,OAAf,C;YACI,mCAAiB,cAAc,OAAd,IAAjB,EAA0C,cAAc,OAAxD,EAAmE,C AAnE,EAAeE,IAAtE,EAAwF,KAAxF,C;eACJ,mBAaE,IAAf,C;YACI,mCAAiB,cAAc,IAAd,IAAjB,EAAcC,cAA c,IAApD,EAA2D,CAA3D,EAA8D,IAA9D,EAAgF,KAAhF,C;;YAEA,yBAAO,WAAP,CAAoB,gBAAO,IAAP,C;; QAGhC,IAAI,cAAc,aAAa,CAA/B,C;UAAkC,yBAAO,CAAP,EAAU,EAAV,CAAE,gBAAO,EAAP,C;QAvC/B,O Ox1B3B,SuHoUqC,W;;K;4C9HikB5C,yE;MACI,yBAAO,KAAP,C;MACA,IAAI,eAAc,CAAIB,C;QACI,yBAAO, EAAP,C;QACA,iBAAuC,WAAtB,UAAW,WAAW,EAAS,cAAT,EAAYB,EAAzB,C;QACR,sB;;UsB5zBzB,Q;UA AA,OAAQ,WAAR,etB4zBc,UsB5zBd,CAAQ,CAAR,W;UAAd,OAAc,cAAAd,C;YAAc,uB;YACV,ItB2zBiD,UsB3 zBnC,YtB2zBU,UsB3zBV,YAAK,KAAL,EtB2zBmC,MAAM,EsB3zBvD,C;cACI,qBAAO,K;cAAP,uB;;UAGR,q BAAO,E;;QtBuzBC,oBAAoB,qBAAuC,CAAvC,I;QAEhB,KAAC,SAAD,IAAc,gBAAgB,CAA9B,C;UAAmC,8B AAY,UAAZ,EAAwB,CAAxB,EAA2B,aAA3B,C;;UAC3B,8BAAY,UAAZ,EAAwB,CAAxB,EAA2B,CAAC,CAA C,gBAAgB,CAAhB,IAAD,IAAsB,CAAtB,IAAD,IAA4B,CAA5B,IAA3B,C;;MAGhB,yBAAO,IAAP,C;K;0CAGJ, 0B;MAGBwC,wB;QAAA,WAAgB,C;Min9BxD,IAAI,EJ09BQ,YAAY,CIp9BpB,CAAJ,C;QACI,cJm9ByB,oD;QII 9BzB,MAAM,gCAAYB,OAAQ,WAAjC,C;;MJm9BN,aAAa,sBAAS,IAAT,C;MACb,IAAW,WAAP,MAAO,CAA X,C;QAAYB,OAAO,MAAO,W;MACvC,OAAO,sBAAsB,MAAtB,EAAuC,eAAT,QAAS,EAAa,EAAb,CAAvC,IA AgE,UAAAL,IAAK,C;K;qCAI3E,Y;M8HvmBuB,gBAAhB,sB;M9HqnBH,IAAI,iBAAJ,C;QAAkB,yBAAO,EAAP, C;MACIB,yBAAO,IAAP,C;MAC4B,YAAAd,kB;MAxWP,YAAO,kB;MAAP,cAAqB,sB;MAArB,cAAuC,sB;MAA vC,kBAAYD,0B;MAyW5D,cACY,K;MACZ,IAAI,iBAAJ,C;QAEI,wB;;MAEJ,eAAe,oB;MACf,iBAAiB,YAAW,C AAX,IAAgB,gBAaE,C;MACHd,iBAAiB,YAAW,CAAX,KAAiB,cAAc,QAA/B,C;MACjB,IAAI,QAAJ,C;QACI,y BAAO,OAAP,CAAc,gBAAO,EAAP,C;;MAEIB,IAAI,UAAJ,C;QACI,yBAAO,OAAP,CAAgB,gBAAO,EAAP,C;; MAEpB,IAAI,eAAe,CAAC,QAAD,IAAa,CAAC,UAA7B,CAAJ,C;QACI,mCAAiB,OAAjB,EAA0B,WAA1B,EA AuC,CAAvC,EAA0C,GAA1C,EAA2D,IAA3D,C;;MApBuB,0Ox7B5B,SuHoUqC,W;K;;;kC9H5YhD,Y;MAAA, c;MAuBiD,2D;MAvBjD,a;K;gCAAA,iB;MAAA,2IAuBiD,gDAvBjD,G;K;IA8hCA,qC;MAIW,Q;MAAA,IAAI,6D AAJ,C;QACH,uBAAGB,4BAAiC,oBAAL,SAAK,CAAJ,C,EAA2C,IAA3C,yCAAhB,C;;QAES,oBAAT,8BAAS,EA AW,IAAX,C;MAHb,W;K;IAMJ,uC;MAII,kBAakB,4BAA4B,SAA5B,0CAAiE,IAAJE,C;MACIB,IAAa,WAAD,a AAR,yDAAsB,WAAtB,CAAJ,C;QACI,OAAO,gBAAgB,4BAA4B,SAA5B,EAAkC,IAAIc,yCAAhB,C;;QAEp,aA Aa,sBAAoB,SAApB,EAA0B,IAA1B,0C;QACb,OAAO,iBAAwB,WAAP,MAAO,yBAAsB,UAAtB,CAAxB,C;;K;I AIf,uC;MAaW,Q;MAHP,gBAAgB,oBAAoB,SAApB,EAA0B,IAA1B,yC;MIviChB,IAAI,CJwiCI,CAAW,QAAV, SAAU,CiXiCnB,C;QACI,cJuiC0B,+B;QItiC1B,MAAM,gCAAYB,OAAQ,WAAjC,C;;MJuiCV,YAAsB,YAAV,SA AU,C;MACf,IAAI,sEAAqB,SAArB,CAAJ,C;QACH,uBAAGB,KAAhB,C;;QAEA,aAAwE,YAA3D,oBAAoB,SAA pB,EAA0B,IAA1B,0CAA2D,C;QACxE,kCAA2B,MAA3B,C;;MAJJ,W;K;IAGBuB,oC;MAAQ,oE;K;IAOP,sC;MA AQ,sE;K;IAWN,sC;MAAQ,sE;K;IAQV,qC;MAAQ,qE;K;IAOP,uC;MAAQ,uE;K;IAWN,uC;MAAQ,uE;K;IAQX, qC;MAAQ,qE;K;IAOP,uC;MAAQ,uE;K;IAWN,uC;MAAQ,uE;K;IAQhB,gC;MAAQ,gE;K;IAOP,kC;MAAQ,kE;K ;IAWN,kC;MAAQ,kE;K;IAQX,gC;MAAQ,gE;K;IAOP,kC;MAAQ,kE;K;IAWN,kC;MAAQ,kE;K;IAQb,8B;MAA Q,8D;K;IAOP,gC;MAAQ,gE;K;IAWN,gC;MAAQ,gE;K;IAQZ,6B;MAAQ,6D;K;IAOP,+B;MAAQ,+D;K;IAWN,+

B;MAAQ,+D;K;yEAG/B,+B;MAIqE,8BAAW,SAAX,C;K;2EAERe,+B;MAUwE,8BAAW,SAAX,C;K;IAIxE,yC;  
MACI,aAAa,KAAM,O;MACnB,IAAI,WAAU,CAAd,C;QAAiB,MAAM,gCAAyB,qBAAzB,C;MACvB,YAAY,C;  
MACZ,aAAa,gCAAS,K;MACTB,qBAaQb,U;MACrB,QAAM,iBAAM,KAAN,CAAN,C;aACI,E;aAAa,E;UAAy,  
qB;UAAZ,K;;MAEJ,cAAc,QAAQ,C;MACTB,iBAaiB,WAAiB,aAAN,KAAM,EAaw,EAAX,C;MAE9B,cAAU,K  
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Af,C;UACI,IAAI,iBAAM,KAAN,MAAgB,EAAPB,C;YACI,IAAI,mBAAMb,mCAAW,MAAIC,C;cAA0C,MAA  
M,+B;YACHD,kBAakB,I;YACIB,Q;;UAekB,iBAae,K;UA+EjD,QAHgC,U;UAIhC,Y;YAAO,eAhFqB,KAgFjB,  
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kB,2C;;;YAgFnC,a;;UAhF7B,gBAAgB,KiBvICgE,WjBmqClF,UiBnqCkF,EjBwqCrF,CiBxqCqF,C;UjBwlChF,IA  
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YAAI,OAAJ,C;;YtByrCO,MAAM,gCAAyB,qCAAzB,C;;UAA9C,qB;UACA,qB;UACA,WAAW,sBAAsB,QAAtB  
,EAAgC,eAAhC,C;UACX,IAAI,YAAY,IAAZ,IAAoB,yBAAY,IAAZ,MAAxB,C;YAA0C,MAAM,gCAAyB,yCA  
AzB,C;UACHD,WAAW,I;UACX,eAAyB,WAAV,SAAU,EAQ,EAAR,C;UACzB,IAAI,+CAAgC,WAAW,CAA/  
C,C;YACI,YAAY,SiBjmCgE,WjBimC5C,CiBjmC4C,EjBimCzC,QiBjmCyC,C;YjBkmC5E,4BAA2C,aAAjC,0BA  
A0B,KAA1B,CAAiC,EAaw,IAAX,CAA3C,C;YACA,4BAAMd,aAAx,SAA9B,SiBtmCmD,WjBsmC/B,QiBtmC  
+B,CjBsmCrB,CAAW,EAaw,IAAX,CAAnD,C;;YAEA,4BAA+C,aAArC,0BAA0B,SAA1B,CAAqC,EAaw,IAA  
X,CAA/C,C;;aAIZ,c;QACI,MAAM,+B;;QACV,IAAM,cAAN,KAAM,EAac,KAAd,EAaqB,cAArB,EAaqC,CA  
ArC,EQ/xCH,MAAO,KR+xCmD,SAAS,KAAT,IQ/xCnD,ER+xCmE,cAAe,OQ/xClF,CR+xCJ,EA4G,IAA5G,CA  
AN,C;UACI,SAAS,gCAAS,S;;UAiIB,iBAA8B,I;UAC9B,iBAAiB,K;UACjB,kBAakB,CAAC,O;UACnB,IAAI,W  
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Af,C;YACI,IAAI,cAAc,WAAIB,C;cA8CZ,UA7CwC,K;cA8CxC,Y;gBAAO,mBA9CiB,KA8Cb,O;gBAAJ,W;kBA  
Ac,SA9C4B,UA8CIB,YA9CP,KA8CO,YAAK,GAAL,EA9CkB,MAAM,E;;;gBA8Cd,iB;;cA9CzB,QA+CT,G;;YA  
7CK,aAAa,I;YACS,mBAae,K;YA0CjD,UAHgC,Y;YAIhC,Y;cAAO,mBA3CqB,KA2CjB,O;cAAJ,W;gBAAc,WA  
AU,YA3CH,KA2CG,YAAK,GAAL,E;gBAAV,SA3CqC,CAAM,kBAAK,EAAL,CAAN,uCAAkB,oBAAM,E;;;c  
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ljCgC,YAAU,CvB0jC9C,C;cAAyB,MAAM,+B;YAC/B,gBAAS,WAAU,OAAAnB,I;YACqB,mBAae,K;YAUChD,  
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BAAV,SAXCoC,CAAM,kBAAK,GAAL,CAAN,mC;;;cAwChB,iB;;YAx7B,eAAe,KiB/nCiE,WjBmqClF,YiBnq  
CkF,EjBwqCrF,GiBxqCqF,C;YjBgoChF,gBAAS,QAAS,OAAIB,I;YACA,aAAW,wBAAwB,QAAXB,C;YACX,IA  
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cACA,IAAI,QAAQ,MAAZ,C;gBAAoB,MAAM,gCAAyB,mCAAzB,C;;cAE1B,4BAA6B,aAAT,OAAV,WAAU,C  
AAS,EAaw,MAAX,CAA7B,C;;;MAKhB,OAAW,UAAJ,GAAiB,MAAD,aAAhB,GAA6B,M;K;IAIxC.0C;MAC  
I,aAAa,KAAM,O;MACnB,iBAAiB,C;MACjB,IAAI,SAAS,CAAT,IAAc,YAAY,IAAZ,mBAAM,CAAN,EAaIB,C  
;QAAoC,+B;;MACHC,YAAC,SAAS,UAAT,IAAD,IAAwB,E;MAAxB,S;QAA4D,gBAA7B,yBAakB,iBAAN,KA  
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C,EU4ThD,C;cAAyB,aAAO,K;cAAP,e;;UAC/C,aAAO,I;;QV7TyD,iB;;MAAhE,S;QAEI,OAAW,iBAAM,CAAN  
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K,CAAL,CAAQ,CAAzC,GAA6D,OAAN,KAAM,C;K;IAKxE,0D;MAII,QAHgC,U;MAIhC,OAAO,IAAI,gBAAJ,I  
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DJ,OAGI,iBAAiB,cAAc,KAAAd,CAAjB,C;;K;IAGR,4C;MACI,IAAI,kEAAgC,mBAAhC,CAAJ,C;QAAA,OACI,g  
BAAgB,cAAc,MAAd,CAAhB,C;;QADJ,OAGI,iBAAwB,WAAP,MAAO,yBAAsB,UAAiB,CAAxB,C;;K;IwMI3C  
R,8B;MAEGD,QAAM,SAAN,M;aAC5C,a;UAD4C,OACHB,I;aAC5B,c;UAF4C,OAEf,I;aAC7B,c;UAH4C,OAGf,I;  
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B,G;;UpMuEwB,MAAM,6BAA8B,CoMtEnE,mBAAGB,SpMsEmD,YAA9B,C;;K;IoMnEvD,4C;MACwE,QAAM,  
SAAN,C;aACpE,I;UADoE,6C;aAEpE,I;UAFoE,8C;aAGpE,I;UAHoE,8C;aAIpE,G;UAJoE,yC;aAKpE,G;UALoE,y  
C;aAMPe,G;UANoE,uC;aOpE,G;UAPoE,sC;;UAQ5D,MAAM,gCAAYB,uCAAoC,SAA7D,C;;K;IAGlB,yD;MA  
GQ,KAAC,eAAD,C;QAEQ,IADE,OACF,Q;UAHZ,sC;;UAIoB,MAAM,gCAAYB,4EAAqD,OAARd,CAAzB,C;;Q  
AIIb,QAAM,OAAN,C;eACI,E;YATZ,uC;eAUy,E;YAVZ,yC;eAWy,E;YAXZ,yC;;YAYoB,MAAM,gCAAYB,yD  
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;MAAkC,OAAA,iCAAoB,W;K;6CADhC,Y;MAAA,yC;K;;IAN1B,4C;MAAA,2C;QAAA,0B;;MAAA,oC;K;IAW  
A,gC;MAAA,oC;K;;IAAA,4C;MAAA,2C;QAAA,0B;;MAAA,oC;K;;IAKJ,oB;K;qCAcI,oB;MAK8D,4BAAiB,IA  
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AN,C;O;KAR7E,C;mFAUA,yB;MAAA,4C;MAAA,mC;QAQsE,MAAM,WAAM,0BAAN,C;O;KAR5E,C;IAY8B,  
4C;MAAiD,mB;MAAhD,gB;MAAoB,4B;K;4CAC/C,Y;MAAsC,OAAA,SAAK,aAAL,cAAoB,eAApB,C;K;6CAEt  
C,oB;MAAkD,4BAAiB,SAAjB,EAAuB,4BAAa,QAAb,CAAvB,C;K;;IChGV,sC;MAAC,gB;K;IAOf,4E;MAA8G,  
mB;MAA7G,4B;MAA6B,8B;MAAGD,sB;K;+DACpG,Y;MAAsC,OAGC,aAA/B,iBAAW,OAAX,UAAoB,gBAA  
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AS,KAApC,C;K;;IAUO,wC;MAAC,gB;K;IAOf,gF;MAAkH,mB;MAAjH,4B;MAA+B,8B;MAAkD,sB;K;mEAC1  
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,C;K;oEACtC,oB;MAAkD,mDAaE,gBAAf,EAA0B,iBAA1B,EAAc,0BAAS,QAAT,CAAtC,C;K;;iDAGtD,Y;M  
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CAAnC,C;QAEN,iBAAiB,mBAAU,SAAV,C;QACjB,IAAI,mBAAy,SAAZ,gBAAyB,CAAzB,IAA8B,mBAAy,U  
AAZ,eAAyB,CAA3D,C;UAA8D,gBAAS,QAAT,C;QAC9D,iB;;QAEA,YAAy,QAAS,kBAAS,SAAT,C;QAERb,m  
BAAiB,4BAAU,K;QAC3B,IAAI,sDAA+B,kDAAnC,C;UAAgE,gBAAS,QAAT,C;QACrD,8BAAX,YAAW,C;;M  
AVf,qB;K;0CACj,oB;MACI,MAAM,6BAAsB,iDAA+C,cAA/C,qCAA0E,QAA1E,MAAtB,C;K;;qFC7Fd,yB;MAA  
A,yC;MAAA,wB;QA2BI,WAAW,8B;QAhB6B,KAiBxC,E;QAJBA,OAKBO,IAAK,a;O;KA7BhB,C;uFAeA,4B;M  
AYI,WAAW,mB;MACX,O;MACA,OAAO,IAAK,a;K;IAYe,qC;MAAC,kB;MAAc,wB;K;;sCAR9C,Y;MAQgC,iB  
;K;sCARhC,Y;MAQ8C,oB;K;wCAR9C,2B;MAAA,sBAQgC,qCARhC,EAQ8C,8CAR9C,C;K;oCAAA,Y;MAAA,  
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B,C;O;KafX,C;IzJZA,2E;MASI,sC;MAAA,4C;K;IATJ,mGAWY,Y;MAAQ,2B;KAXpB,E;IAAA,4DAaQ,kB;MA  
CI,wBAAW,MAAX,C;K;IAdZ,wF;I0JewC,sC;MACpC,0B;K;;IAGJ,kC;MAUI,OAA2C,CAA3C,2BAA6B,uBAA7  
B,EAAoC,KAApC,CAA2C,e;K;IAE/C,8B;K;kDAuBI,4B;MASI,MAAM,qCAA8B,8CAA9B,C;K;;IAa4B,8C;MA  
GtC,6B;MAEmD,UAMX,M;MAPxC,kBACmD,mE;MAEnD,eAC0B,K;MAE1B,cACwC,kE;MAExC,gBACmC,g  
B;K;iGAG/B,Y;MAAQ,0C;K;0DAEZ,kB;MACI,cAAY,I;MACZ,gBAAc,M;K;IAGsE,iG;MAAA,uB;QAExE,Q;Q  
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AAA,uB;QAExG,Q;QAaf,iBAAe,8F;QACf,eAAK,2B;QAA6B,mC;QtMjGtB,gBAAT,Q;QsMsG0D,kB;QAJZD,sB  
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UAGZ,mBAAy,kE;;QAEhB,oBAAa,e;QAZjB,OAcA,yB;O;K;6DAfJ,0C;MAAQF,OAAc,qEAAtC,c;K;IAqBzB,

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;U2JyBe,O3JxBR,sF;;Q2JuBC,WAAW,M;QAGX,IAAI,mDAAoB,MAApB,QAAJ,C;;YAliB,SAAT,ezJxJV,CyJwJ  
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O,c2JyG0B,C3JzG1B,CAAP,CChDR,C;c0J0JgB,Q;;cALI,O;;UAAR,c;UAQA,IAAI,MAAM,yBAAV,C;YACI,I1Jv  
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AqMf,C;QACR,IAAI,gBAtmB,KAsMnB,eAAiB,CAAjB,IAAsB,mBAtmH,KAsMG,GAAa,WAAb,CAA1B,C;U  
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C,a;;MAjG7C,OakGO,C;K;kEhGX,yB;MAAA,0B;MAAA,mC;QA2GI,QAnGK,SAmGG,GAnGe,K;QAAvB,O  
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B4PvB,KAAK,CAAL,iBAAN,CgBzP+C,MAAZ,CAAhB,C;O;KALxD,C;8FAGA,yB;MAAA,+B;MAAA,wB;QA  
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A,wB;QAEyD,OAMD,eAAM,IAAK,KAAK,UAAy,CfyN/C,eAAW,oBe/NoB,Kf+NzB,KAAK,CAAL,YAAN,Cez  
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,yB;Mf2MA,aAS6D,0B;MAT7D,+B;MerMA,8C;MANA,wB;QAEuD,OAMD,YAAy,IAAZ,Ef4MjB,eAAW,oBel  
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B,eAAW,oBiBnMe,KjBmMpB,KAAK,CAAL,UAAN,CiB9KiB,C;O;KA3BtD,C;0FAOA,yB;Mf0LA,aAS6D,0B;M  
AT7D,+B;Me5KA,oD;MAdA,wB;QAMuD,OAcD,eAAe,IAAf,Ef+KjB,eAAW,oBe7LgB,Kf6LrB,KAAK,CAAL,Y  
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A,yB;MAAA,oD;MAAA,wB;QAMsD,sBAae,IAAf,EAAqB,KAArB,C;O;KANtD,C;oGAQA,yB;MjBmKA,WAS6  
D,wB;MAT7D,+B;MiBpMA,8C;MAiCA,wB;QAMkD,OArCI,YAAy,IAAZ,EjB2MjB,eAAW,oBiBtKgB,KjBsKr  
B,KAAK,CAAL,UAAN,CiB3MiB,C;O;KA+BtD,C;oGAOA,yB;Mf6JA,aAS6D,0B;MAT7D,+B;MerMA,8C;MAw  
CA,wB;QAMmD,OA5CG,YAAy,IAAZ,Ef4MjB,eAAW,oBehKiB,KfgKtB,KAAK,CAAL,YAAN,Ce5MiB,C;O;K  
AsCtD,C;oGAOA,yB;MhByKA,kBAS6D,sB;MAT7D,+B;MgBxNA,8C;MA+CA,wB;QAMiD,OAnDK,YAAy,IA  
AZ,EhB+NjB,eAAW,oBgB5Ke,KhB4KpB,KAAK,CAAL,iBAAN,CgB/NiB,C;O;KA6CtD,C;oGAOA,yB;MatDA,  
8C;MAsDA,wB;QAMkD,OA1DI,YAAy,IAAZ,EA0DA,KA1DA,C;O;KAoDtD,C;0FAQA,yB;MjBsIA,WAS6D,w  
B;MAT7D,+B;MiB3KA,oD;MjB4OJ,0B;MAAA,+B;MiBvMI,wB;QAQ6C,OjB0MP,eAAW,OiBjPK,eAAe,IAAf,E  
jB8KjB,eAAW,oBiBvIM,KjBuIX,KAAK,CAAL,UAAN,CiB9KiB,CA4KjB,KjBqEY,SAAX,C;O;KiBINtC,C;0FA  
SA,yB;Mf8HA,aAS6D,0B;MAT7D,+B;Me5KA,oD;Mf6OJ,4B;MAAA,iC;Me/LI,wB;QAQ+C,OfkMP,gBAAY,Qel  
PE,eAAe,IAAf,Ef+KjB,eAAW,oBe/HQ,Kf+Hb,KAAK,CAAL,YAAN,Ce/KiB,CAsLf,Kf4Da,SAAZ,C;O;Ke1MxC  
,C;0FASA,yB;MhBwIA,kBAS6D,sB;MAT7D,+B;MgB/LA,oD;MhBkQJ,6B;MgB3MI,wB;QAQ2C,OhB8MP,cgBv  
QkB,eAAe,IAAf,EhBkMjB,eAAW,oBgBzII,KhByIT,KAAK,CAAL,iBAAN,CgBlMiB,CAgMnB,KhBuEW,QAAV  
,C;O;KgBtNpC,C;0FASA,yB;MAhEA,oD;MAGEA,wB;QAQ6C,OAIES,eAAe,IAAf,EAkEL,KAIEK,C;O;KA0DtD  
,C;0EAUA,yB;MAAA,+B;MAAA,mB;QAM0C,sBAAM,SAAK,MAAX,C;O;KAN1C,C;0EAQA,yB;MAAA,+B;  
MAAA,mB;QAM0C,sBAAM,SAAK,MAAX,C;O;KAN1C,C;kGAQA,yB;MAAA,gD;MAAA,wB;QAE+D,2BAA  
W,IAAX,EAAiB,KAAjB,C;O;KAF/D,C;0FAIA,yB;MAAA,+B;MAAA,2B;QAOoD,sBAAM,oBAAS,QAAT,CAA  
N,C;O;KAPpD,C;0FASA,yB;MAAA,+B;MAAA,2B;QAOoD,sBAAM,6BAAU,QAAV,CAAN,C;O;KAPpD,C;0F  
ASA,yB;MAAA,+B;MAAA,wB;QAEuD,sBAAM,IAAK,KAAL,KAAC,KAAM,KAApB,CAAN,C;O;KAFnD,C;w  
FAGA,yB;MAAA,+B;MAAA,wB;QAEkD,sBAAM,IAAK,KAAL,IAAa,KAAM,KAAAnB,CAAN,C;O;KAFID,C;0F  
AGA,yB;MAAA,+B;MAAA,wB;QAEuD,sBAAM,IAAK,KAAL,KAAC,KAAM,KAApB,CAAN,C;O;KAFnD,C;0  
EAGA,yB;MAAA,+B;MAAA,mB;QAEiC,sBAAM,SAAK,MAAX,C;O;KAFjC,C;gFAIA,yB;MAAA,0B;MAAA,  
mB;QAUmC,OAAK,OAAL,SAAK,S;O;KAVx,C;kFAWA,yB;MAAA,4B;MAAA,mB;QAUqC,OAAK,QAAL,S  
AAK,S;O;KAV1C,C;8EAWA,Y;MAUiC,OAAA,SAAK,Q;K;gFACtC,Y;MASmC,gB;K;kFAEnC,yB;MjBmEJ,0B;



AC3B,iBAAmC,kBAAO,CAA1C,G/MhDmE,a+MgDtB,K/MhDwC,KAA1B,E+MgDb,I/MhD2C,KAA9B,C+MgDt  
B,KAA7C,G/MhDmE,a+MgDH,K/MhDqB,KAA1B,E+MgDM,I/MhDwB,KAA9B,C+MgDH,K;MACHe,c/M0SsC,  
U+M1SnB,I/M0SmB,C;M+MzStC,cAAuB,cAAJ,GAAa,KAAb,GAAwB,mB;K;iDAE3C,Y;MAAkC,qB;K;mDAE1  
C,Y;MACI,YAAY,W;MACZ,IAAI,6BAAS,mBAAT,QA AJ,C;QACI,IAAI,CAAC,cAAL,C;UAAc,MAAa,6B;QAC  
3B,iBAAU,K;;QAEV,c/M/C+C,U+M+C/C,W/M/C0D,KAAK,K+M+CvD,W/M/CkE,KAAX,CAAhB,C;;M+MiDn  
D,OAAO,K;K;;wEC7Hf,yB;MAAA,8C;MAAA,uB;QAOI,OAAO,MAAM,CAAN,EAAS,CAAT,C;O;KAPX,C;wE  
AUA,yB;MAAA,8C;MAAA,uB;QAOI,OAAO,MAAM,CAAN,EAAS,CAAT,C;O;KAPX,C;wEAUUA,yB;MAAA,8  
C;MAAA,uB;QAOI,OAAO,MAAM,CAAN,EAAS,CAAT,C;O;KAPX,C;wEAUUA,yB;MAAA,8C;MAAA,uB;QAO  
I,OAAO,MAAM,CAAN,EAAS,CAAT,C;O;KAPX,C;oFC7BA,yB;MAAA,gD;MAAA,4B;QAM6C,OAAQ,ajO+R  
hB,ciO/RgB,C;O;KANrD,C;oGAQA,yB;M/GwCA,iB;M+GxCA,4B;QAMqD,O/GwCM,MAAO,OIH+O7B,ckH/O  
6B,C;O;K+G9CIE,C;sGAQA,yB;MAAA,kE;MAAA,4B;QAMsD,OAAQ,sBjO+QzB,ciO/QyB,C;O;KAN9D,C;8FA  
QA,yB;MAAA,0D;MjOwWA,6B;MiOxWA,4B;QAOmD,OjO2WZ,ciO3WoB,kBjOsQtB,ciOtQsB,CjO2WpB,C;O;  
KiOlXvC,C;4FASA,yB;MAAA,wD;MjO+VA,6B;MiO/VA,4B;QAOkD,OjOkWX,ciOlWmB,iBjO6PrB,ciO7PqB,C  
jOkWnB,C;O;KiOzWvC,C;gFASA,yB;MAAA,4C;MjOsVA,6B;MiOtVA,sC;QAayD,OjOmVIB,ciOnV0B,WjO8O  
5B,ciO9O4B,EA AW,QAAX,CjOmV1B,C;O;KiOhWvC,C;kFAGBA,yB;MAAA,8C;MjOsUA,6B;MiOtUA,sC;QAa  
0D,OjOmUnB,ciOnU2B,YjO8N7B,ciO9N6B,EAAY,QA AZ,CjOmU3B,C;O;KiOhVvC,C;oFAGBA,yB;MAAA,gD;  
MAAA,4B;QAM8C,OAAS,ajNgOhB,ciNhOgB,C;O;KANvD,C;oGAQA,yB;MAAA,gE;MAAA,4B;QAMsD,OAA  
S,qBjNwNxB,ciNxNwB,C;O;KAN/D,C;sGAQA,yB;MAAA,kE;MAAA,4B;QAMuD,OAAS,sBjNgNzB,ciNhNyB,  
C;O;KANhE,C;8FAQA,yB;MAAA,0D;MjN6SA,+B;MiN7SA,4B;QAOqD,OjNgTX,eiNhToB,kBjNuMvB,ciNvMu  
B,CjNgTpB,C;O;KiNvT1C,C;4FASA,yB;MAAA,wD;MjNoSA,+B;MiNpSA,4B;QAOoD,OjNuSV,eiNvSmB,iBjN  
8LtB,ciN9LsB,CjNuSnB,C;O;KiN9S1C,C;+EASA,yB;MAAA,4C;MjN2RA,+B;MiN3RA,sC;QAa2D,OjNwRjB,ei  
NxR0B,WjN+K7B,ciN/K6B,EA AW,QAAX,CjNwR1B,C;O;KiNrS1C,C;iFAeA,yB;M/GgEA,4C;MIG4MA,+B;Mi  
N5QA,sC;QAa4D,OjNyQIB,ekGzMuB,WIGgG1B,ckGhG0B,EA AW,C+GhEK,Q/GgEL,IAAX,CIGyMvB,C;O;Ki  
Nr1C,C;oFAeA,yB;MIOWJI,6B;MkO1SJ,gD;MAKJA,4B;QAM8C,OAIJO,ajO+RhB,CDcE,cAAU,cAAL,GAAiB,  
GAAtB,CCdF,MiO/RgB,C;O;KA4IrD,C;oGAQA,yB;M/G1GA,iB;M+G0GA,4B;QAMsD,O/G1GK,MAAO,OnHu  
M3B,c2N1Ge,GAAY,GxG7FA,CwG6Fb,GAA6C,EAA7C,I;O;KOO rD,C;sGAQA,yB;MPbA,kE;MOaA,4B;QAMu  
D,OPbkB,sB3NkG1C,c2NIGgB,GA AW,GAAO,C;O;KOOzE,C;8FAQA,yB;MAAA,0D;MIO+LA,0B;MAAA,+B;M  
kO/LA,4B;QAOqD,OIOmMZ,eAAW,OkOnMS,kBlOgGnB,cAAL,GAAiB,GkOhGO,CIOmMT,CAAX,C;O;KkO1  
MzC,C;4FASA,yB;MAAA,wD;MIOsLA,0B;MAAA,+B;MkOtLA,4B;QAOoD,OIO0LX,eAAW,OkO1LQ,iBlOuFl  
B,cAAL,GAAiB,GkOvFM,CIO0LR,CAAX,C;O;KkOjMzC,C;gFAUA,yB;MAAA,4C;MIOqJA,+B;MkOrJA,sC;Q  
Aa2D,OIOkJjB,ekOIJ0B,WIOmD7B,ckOnD6B,EA AW,QAAX,CIOkJ1B,C;O;KkO/J1C,C;kFAeA,yB;MAAA,8C;  
MIOsIA,+B;MkOtIA,sC;QAa4D,OIOmIIB,ekOnI2B,YIOoC9B,ckOpC8B,EAAY,QA AZ,CIOmI3B,C;O;KkOhJ1C,  
C;oFAeA,yB;MhOgFI,6B;MgO3SJ,gD;MA2NA,4B;QAM+C,OA3NM,ajO+RhB,CCeE,cAAU,cAAL,GAAiB,KA  
AtB,CDfF,MiO/RgB,C;O;KAqNrD,C;oGAQA,yB;M/GnLA,iB;M+GmLA,4B;QAMuD,O/GnLI,MAAO,OjHkNzB,  
cyN3CpC,GAAY,KxGvKiD,CwGuK9D,GAA+C,EAA/C,I;O;KOMJ,C;sGAQA,yB;MPZA,kE;MOYA,4B;QAMw  
D,OPZoB,sBzNmCnC,cyNnCe,GA AW,KAAS,C;O;KOM5E,C;8FAQA,yB;MAAA,0D;MhOuHA,4B;MAAA,iC;M  
gOvHA,4B;QAOuD,OhO2HZ,gBAA Y,QgO3HQ,kBhOwBrB,cAAL,GAAiB,KgOxBS,ChO2HR,CAAZ,C;O;KgOl  
I3C,C;4FASA,yB;MAAA,wD;MhO8GA,4B;MAAA,iC;MgO9GA,4B;QAOSD,OhOkHX,gBAA Y,QgOIHO,iBhOep  
B,cAAL,GAAiB,KgOfQ,ChOkHP,CAAZ,C;O;KgOzH3C,C;gFAUA,yB;MAAA,4C;MhOyFA,iC;MgOzFA,sC;QA  
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MhO0EA,iC;MgO1EA,sC;QAa8D,OhOuEjB,gBgOvE2B,YhO1B/B,cgO0B+B,EAAY,QA AZ,ChOuE3B,C;O;KgO  
pF7C,C;ICtRA,qC;MAEI,SIOuIoD,ckOvI3C,CIOuI2C,EkOvIvC,CIOuIuC,C;MkOtIpD,SIOsIoD,ckOtI3C,CIOsI2C,  
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,SkOIFpB,EIOkF8B,KAAK,GkOIF9B,EIOkF0C,KAAZ,IAAf,CabS,MAAK,GkOrExB,CIOqEmC,KAAAX,IAAf,C;  
K;IkOIEzD,qC;MACI,SINwIsD,ekNxI7C,CINwI6C,EkNxIzC,CINwIyC,C;MkNvItD,SINuIsD,ekNvI7C,CINuI6C,E  
kNvIzC,CINuIyC,C;MkNtItD,OINqDmE,akNrDxD,EINqD0E,KAAIB,EkNrDID,EINqDgF,KAA9B,CkNrDxD,KA  
AX,GIN+EwD,UkN/EnC,EIN+E8C,KAAK,UkN/E9C,EIN+E0D,KAAZ,CAAhB,CkN/ExD,GINkEuD,UAAW,CAa

V,UkN/EtB,EIN+EiC,KAAK,UkN/EjC,EIN+E6C,KAAZ,CAAhB,CAbU,MAAK,KkNIE3B,CINkEsC,KAAAX,CAA  
hB,C;K;IkN/D3D,uD;MAmBI,WAAO,CAAP,C;QAD8E,OIOwBZ,YkOvBID,KIOuBmE,KAAjB,EkOvBzC,GIOuB  
sE,KAA7B,CkOvBID,KAD8D,GACHd,GADgD,GIOuDxB,SkOtDf,GIOsDyB,KAAK,GkOtDxB,mBAAiB,GAAjB  
,EAAaB,KAAtB,EIO2WV,SkO3WuC,IIO2WvC,CkO3WU,CIOsDoC,KAAZ,IAAf,C;akOrDtD,WAAO,CAAP,C;Q  
AF8E,OIOwBZ,YkOtBID,KIOsBmE,KAAjB,EkOtBzC,GIOsBsE,KAA7B,CkOtBID,KAF8D,GAEdD,GAfgD,GIO  
0CzB,SkOxCd,GIOwCwB,KAAK,GkOxCvB,mBAAiB,KAAjB,EAAwB,GAAxB,EIO0WV,SkO1WwC,CAAC,IA  
AD,IIO0WxC,CkO1WU,CIOwCkC,KAAAX,IAAf,C;;QkOvC7C,MAAa,gCAAyB,eAAzB,C;K;IAGzB,uD;MAmBI,  
sBAAO,CAAP,C;QADkF,OINQf,akNPnD,KINOqE,KAAIB,EkNP1C,GINOwE,KAA9B,CkNPnD,KADkE,GACp  
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C,IINkWPc,CkNIWO,CINiCuC,KAAZ,CAAhB,C;akNhCxD,sBAAO,CAAP,C;QAFkF,OINQf,akNNnD,KINMqE,  
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KkNnB1B,mBAAiB,KAAjB,EAAwB,GAAxB,EINiWP,UkNjWsC,IAAD,alNiWrC,CkNjWO,CINmBqC,KAAAX,C  
AAhB,C;;QkNIB/C,MAAa,gCAAyB,eAAzB,C;K;IjOIDC,sB;MAEtB,8B;MAFyD,gB;K;IAEzD,4B;MAAA,gC;M  
ACI,iBAGqC,WAAO,CAAP,C;MAErC,iBAGqC,WAAO,MAAP,C;MAErC,kBAGmC,C;MAEnC,iBAGkC,E;K;;I  
AnBtC,wC;MAAA,uC;QAAA,sB;;MAAA,gC;K;wGAsBA,iB;MAM0D,OAAa,0BA6OjC,SAAL,GAAiB,KA7OqB  
,EAAU,KF4O3C,KAAL,GAAiB,GE5OqB,C;K;oGAEvE,iB;MAOOE,OAAa,0BAoO3C,SAAL,GAAiB,KApO+B,E  
AAU,KAOOrD,KAAL,GAAiB,KApO+B,C;K;wGAEjF,yB;MA2PA,6B;MD5PA,8C;MCCA,wB;QAMyD,ODAS,Y  
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;MA6PA,aAS6D,0B;MAT7D,+B;Me9PA,gD;MfCA,wB;QAM0D,OeAS,aAAkB,CfgQhD,eAAW,oBAAL,SAAK,  
CAAL,YAAN,CehQgD,MAAIB,EfAgB,KeAc,KAA9B,C;O;KfNnE,C;8FAQA,yB;MA2OA,6B;MA3OA,wB;QAE  
sD,ODMD,cAAU,CC4O5B,cAAU,SAAL,GAAiB,KAAtB,CD5O4B,MAAK,GAAW,CD2O5C,cEjPsC,KFiP5B,K  
AAL,GAAiB,GAAtB,CC3O4C,MAAX,IAAf,C;O;KCRrD,C;8FAGA,yB;MAwOA,6B;MAxOA,wB;QAEuD,ODG  
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,CC4O5B,cAAU,SAAL,GAAiB,KAAtB,CD5O4B,MAAK,GCAI,KDAO,KAAZ,IAAf,C;O;KCFrD,C;8FAGA,yB;  
MA4OA,aAS6D,0B;MAT7D,+B;MA5OA,wB;QAEuD,OeAA,eAAW,CfmP7B,eAAW,oBAAL,SAAK,CAAL,YA  
AN,CenP6B,MAAK,KfAI,KeAO,KAAZ,CAAhB,C;O;KfFvD,C;gGAIA,yB;MA8NA,6B;MA9NA,wB;QAEuD,O  
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,KAAtB,CD/N8C,MAAZ,IAAf,C;O;KCLtD,C;gGAGA,yB;MAwNA,6B;MAxNA,wB;QAEsD,ODAA,cAAU,CC+  
N7B,cAAU,SAAL,GAAiB,KAAtB,CD/N6B,MAAK,GCAK,KDAO,KAAZ,IAAf,C;O;KCFtD,C;gGAGA,yB;MA+  
NA,aAS6D,0B;MAT7D,+B;MA/NA,wB;QAEwD,OeAA,eAAW,CfsO9B,eAAW,oBAAL,SAAK,CAAL,YAAN,Ce  
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Ae,YAAL,CCkN7B,cAAU,SAAL,GAAiB,KAAtB,CDIN6B,MAAK,EAAY,CCkN9C,cArNyC,KaqN/B,KAAL,G  
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e,YAAL,CCkN7B,cAAU,SAAL,GAAiB,KAAtB,CDIN6B,MAAK,ECAK,KDAO,KAAZ,CAAf,C;O;KCFtD,C;gG  
AGA,yB;MAkNA,aAS6D,0B;MAT7D,+B;MAiNA,wB;QAEwD,OeAA,eAAW,CfyN9B,eAAW,oBAAL,SAAK,C  
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LpD,C;4FAGA,yB;MA8LA,6B;MD9LA,4C;MCAA,wB;QAEoD,ODAA,WcQmJb,cAAU,SAAL,GAAiB,KAAtB,  
CDrMiB,ECAkB,KDAIB,C;O;KCFpD,C;4FAGA,yB;MAqMA,aAS6D,0B;MAT7D,+B;MerMA,8C;MfAA,wB;QA  
EsD,OeAA,Yf4MjB,eAAW,oBAAL,SAAK,CAAL,YAAN,Ce5MiB,EfAmB,KeAnB,C;O;KfFtD,C;4FAIA,yB;MA  
uLA,6B;MDzKA,kD;MCdA,wB;QAMqD,ODcD,cC4KjB,cAAU,SAAL,GAAiB,KAAtB,CD5KiB,ED2KjB,cEzLo

C,KFyL1B,KAAL,GAAiB,GAAtB,CC3KiB,C;O;KCpBpD,C;4FAOA,yB;MAgLA,6B;MDzKA,kD;MCPA,wB;QAMsD,ODOF,cC4KjB,cAAU,SAAL,GAAiB,KAAtB,CD5KiB,EC4KjB,cAnLqC,KAmL3B,KAAL,GAAiB,KAAtB,CD5KiB,C;O;KCbpD,C;4FAOA,yB;MAyKA,6B;MDzKA,kD;MCAA,wB;QAMoD,ODAA,cC4KjB,cAAU,SAAL,GAAiB,KAAtB,CD5KiB,ECakB,KDAiB,C;O;KCNpD,C;4FAOA,yB;MA4KA,aAS6D,0B;MAT7D,+B;Me5KA,oD;MfAA,wB;QAMsD,OeAA,ef+KjB,eAAW,oBAAL,SAAK,CAAL,YAAN,Ce/KiB,EfAmB,KeAnB,C;O;KfNtD,C;sGAQA,yB;MA0JA,6B;MD9LA,4C;MCocA,wB;QAMiD,ODxCG,WCqMjB,cAAU,SAAL,GAAiB,KAAtB,CDrMiB,EDoMjB,cE5JqC,KF4J3B,KAAL,GAAiB,GAAtB,CCpMiB,C;O;KCkCpD,C;sGAOA,yB;MAMJA,6B;MD9LA,4C;MC2CA,wB;QAMkD,OD/CE,WCqMjB,cAAU,SAAL,GAAiB,KAAtB,CDrMiB,ECqMjB,cAtJsC,KAsJ5B,KAAAL,GAAiB,KAAtB,CDrMiB,C;O;KCyCpD,C;sGAOA,yB;MA4IA,6B;MD9LA,4C;MCKDA,wB;QAMgD,ODtDI,WCqMjB,cAAU,SAAL,GAAiB,KAAtB,CDrMiB,ECsDmB,KDtDnB,C;O;KCgDpD,C;sGAOA,yB;MA+IA,aAS6D,0B;MAT7D,+B;MerMA,8C;MfsDA,wB;QAMkD,Oe1DI,Yf4MjB,eAAW,oBAAL,SAAK,CAAL,YAAN,Ce5MiB,Ef0DoB,Ke1DpB,C;O;KfoDtD,C;4FAQA,yB;MA6HA,6B;MDzKA,kD;MDuOJ,0B;MAAA,+B;ME3LI,wB;QAQ6C,OF8LR,eAAW,OC5OI,cC4KjB,cAAU,SAAL,GAAiB,KAAtB,CD5KiB,ED2KjB,cE7H4B,KF6HIB,KAAL,GAAiB,GAAtB,CC3KiB,CakLf,KD0DW,CAAX,C;O;KETMrC,C;4FASA,yB;MAoHA,6B;MDzKA,kD;MCwOJ,4B;MAAA,iC;MAnLI,wB;QAQ+C,OAsLR,gBAAY,QD7OC,cC4KjB,cAAU,SAAL,GAAiB,KAAtB,CD5KiB,EC4KjB,cArH8B,KAqHpB,KAAL,GAAiB,KAAtB,CD5KiB,CA4Lb,KCiDY,CAAZ,C;O;KA9LvC,C;4FASA,yB;MA2GA,6B;MDzKA,kD;MC8DA,wB;QAQ2C,ODhES,cC4KjB,cAAU,SAAL,GAAiB,KAAtB,CD5KiB,ECgES,KDhET,C;O;KCwDpD,C;4FASA,yB;MA4GA,aAS6D,0B;MAT7D,+B;Me5KA,oD;MfgEA,wB;QAQ6C,OeIES,ef+KjB,eAAW,oBAAL,SAAK,CAAL,YAAN,Ce/KiB,EfkEU,KeIEV,C;O;Kf0DtD,C;4EAUA,yB;MAAA,4B;MAAA,iC;MAAA,mB;QAM2C,uBAAY,QAAL,SAAK,KAAZ,C;O;KAN3C,C;4EAQA,yB;MAAA,4B;MAAA,iC;MAAA,mB;QAM2C,uBAAY,QAAL,SAAK,KAAZ,C;O;KAN3C,C;oGAQA,yB;MAAA,8C;MAwEA,6B;MAxEA,wB;QAE+D,0BA+E5B,cAAU,SAAL,GAAiB,KAAtB,CA/E4B,EA+E5B,cA/EqD,KA+E3C,KAAL,GAAiB,KAAtB,CA/E4B,C;O;KAF/D,C;4FAIA,yB;MAAA,iC;M2LnNJ,4B;M3LmNI,wB;QAEqD,uB2LiNiC,Q3LkN1B,IAAK,K2LINX,G3LkNoB,KAAM,K2LINM,C3LkNjC,C;O;KAFrD,C;0FAGA,yB;MAAA,iC;M2LjNJ,4B;M3LiNI,wB;QAEoD,uB2LhNgC,Q3LgNzB,IAAK,K2LhNX,G3LgNmB,KAAM,K2LhNM,C3LgNhC,C;O;KAFpD,C;4FAGA,yB;MAAA,iC;M2L/MJ,4B;M3L+MI,wB;QAEqD,uB2L9MiC,Q3L8M1B,IAAK,K2L9MX,G3L8MoB,KAAM,K2L9MM,C3L8MjC,C;O;KAFrD,C;4EAGA,yB;MAAA,iC;M2L7MJ,4B;M3L6MI,mB;QAEkC,uB2L5MsB,QAAP,C3L4MR,S2L5Me,C3L4MtB,C;O;KAFIC,C;kFAIA,yB;MAAA,0B;MAAA,mB;QAUmC,OAAK,OAAL,SAAK,C;O;KAVxC,C;oFAWA,Y;MASqC,gB;K;gFACrC,Y;MASiC,OAAK,SAAL,GAAiB,K;K;kFACID,yB;MAAA,aASqD,0B;MATrD,mB;QASmC,OAAK,oBAAL,SAAK,CAAL,Y;O;KATnC,C;oFAWA,yB;MF+DJ,0B;MAAA,+B;ME/DI,mB;QASqC,OFiEE,eAAW,OEjEb,SFiEa,CAAX,C;O;KEIEvC,C;sFAUA,Y;MAEuC,W;K;kFACvC,yB;MAAA,6B;MAAA,mB;QASmC,qBAAU,SAAL,GAAiB,KAAtB,C;O;KATnC,C;oFAUA,yB;MAAA,aAS6D,0B;MAT7D,+B;MAAA,mB;QASqC,sBAAW,oBAAL,SAAK,CAAL,YAAN,C;O;KATrC,C;oFAWA,Y;MAMqC,OApDC,SAAL,GAAiB,K;K;sFAqDI,D,Y;MAMuC,OA3DD,SAAL,GAAiB,K;K;gCA6DID,Y;MAAYC,OAAQ,CA7DX,SAAL,GAAiB,KA6DD,Y;K;gCA3UrD,Y;MAAA,c;MAG6D,qD;MAH7D,a;K;8BAAA,iB;MAAA,2IAG6D,oCAH7D,G;K;0EA+UA,yB;MAAA,iC;MAAA,4B;QAW4C,uBAAY,SAAZ,C;O;KAX5C,C;4EAYA,yB;MAAA,iC;MAAA,4B;QAU6C,uBAAO,SAAP,C;O;KAV7C,C;4EAWA,yB;MAAA,4B;MAAA,iC;MAAA,4B;QAW2C,uBAAY,QAAL,SAAK,CAAZ,C;O;KAX3C,C;4EAYA,yB;MAAA,4B;MAAA,iC;MAAA,4B;QAW4C,uBAAY,QAAL,SAAK,SAAZ,C;O;KAX5C,C;liC/WA,8B;MACqB,sB;K;wCAKjB,iB;MAM8C,OjCsVL,WiCtVK,aAAQ,KAAR,CjCsVL,C;K;wCiCpVzC,wB;MAOI,aAAQ,KAAR,IAAiB,KjC4OgB,K;K;mFiCxOP,Y;MAAQ,OAAA,YAAQ,O;K;qCAE9C,Y;MAC+E,gCAAS,YAAT,C;K;IAGzD,qC;MAAkC,yB;MAAjC,oB;MACnB,eAAoB,C;K;6CACpB,Y;MAAyB,sBAAQ,YAAM,O;K;gDACvC,Y;MAA0D,Q;MAA9B,IAAI,eAAQ,YAAM,OAAIB,C;QAAA,OjCgUS,WiChUe,aAAM,mBAAN,EAAM,2BAAN,OjCgUf,C;;QiChU8C,MAAM,2BAAuB,YAAM,WAA7B,C;K;;2CAG7F,mB;MAIS,Q;MAAL,IAAI,eAAC,0EAAD,SAAJ,C;QAAkC,OAAO,K;MAEzC,OAAe,WAAR,YAAQ,EAAS,OjCsNS,KiCtNIB,C;K;gDAGnB,oB;MACY,Q;MAA2B,gBAA3B,gE;MAA2B,c;;QjB0nDvB,U;QADhB,IAAI,wCAAsB,mBAA1B,C;UAAqC,aAAO,I;UAAp,e;;QACrB,6B;QAAhB,OAAgB,gBAAhB,C;UAAgB,2B;UiB1nD6B,2BjB0nDR,OiB1nDQ,S;UAAA,W;YAAwB,oBAAR,YAAQ,EjB0nDhC,OhBx6CA,KiCIngC,C;;UjB0nD/C,IAAI,OAAJ,C;YAAyB,aAAO,K;YAAP,e;;;QAC/C,aAAO,I;;;MiB3nDH,iB;K;oCAGJ,Y;MAAkC,OAAA,IAAK,QAAQ,OAAb,KAAqB,C;K;;IA/CvD,uC;MAAA,

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Found in path(s):

\* /opt/cola/permits/1425206406\_1663952514.1297646/0/kotlin-1-6-21-tgz/package/kotlin.js.map

## 1.1071 @peculiar/asn1-schema 2.3.3

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## 1.1075 eslint-config-next 12.3.1

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## 1.1076 spring-data-jdbc 2.4.11

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## 1.1078 brave-instrumentation-kafka-streams

### 5.13.9

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Found in path(s):

\* /bin/grep

## 1.1083 loose-envify 1.4.0

## 1.1084 jmes-path-query-library 1.11.951

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\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathLiteral.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/InvalidTypeException.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathValueProjection.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/NumericComparator.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/OpLessThan.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathFunction.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/OpLessThanOrEqualTo.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathMultiSelectList.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathFlatten.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/OpGreaterThanOrEqualTo.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathProjection.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathEvaluationVisitor.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathAndExpression.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/CamelCaseUtils.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/OpNotEquals.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathField.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathIdentity.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/OpGreaterThan.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathVisitor.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-  
jar/com/amazonaws/jmespath/JmesPathExpression.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-

jar/com/amazonaws/jmespath/ObjectMapperSingleton.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/Comparator.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathSubExpression.java  
\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-jar/com/amazonaws/jmespath/JmesPathLengthFunction.java  
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Found in path(s):

\* /opt/cola/permits/1540671231\_1674467576.7111382/0/jmespath-java-1-11-951-sources-jar/META-INF/maven/com.amazonaws/jmespath-java/pom.xml

## 1.1085 @jest/expect-utils 28.1.3

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Upstream-Name: libphonenumber

Upstream-Contact: Fredrik Roubert <[roubert@google.com](mailto:roubert@google.com)>

Source: <https://github.com/google/libphonenumber/>

Files: \* `cpp/src/phonenumbers/base/logging.h`  
`cpp/src/phonenumbers/base/thread_checker.h`  
`cpp/src/phonenumbers/base/memory/singleton.h`  
`cpp/src/phonenumbers/base/memory/singleton_posix.h`  
`cpp/src/phonenumbers/base/synchronization/lock.h`  
`cpp/src/phonenumbers/base/synchronization/lock_posix.h`  
`cpp/src/phonenumbers/base/thread_checker.h`

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# These people were responsible for the initial implementations in Java and

# C++.

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-- Short number info port to Javascript.

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\* org.eclipse.jetty.orbit:javax.security.auth.message

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\* org.eclipse.jetty.orbit:javax.mail.glassfish

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet:javax.servlet-api

\* javax.annotation:javax.annotation-api

\* javax.transaction:javax.transaction-api

\* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

\* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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OW2

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org.ow2.asm:asm-commons

org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp  
org.apache.tomcat:tomcat-jasper  
org.apache.tomcat:tomcat-juli  
org.apache.tomcat:tomcat-jsp-api  
org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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Mortbay

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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

# 1.1089 jackson-databind 2.13.5

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* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/Attribute.java
* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/Opcodes.java
* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/Handle.java
* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-
jar/org/objectweb/asm/MethodTooLargeException.java
* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-
jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/TypeReference.java
* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/Context.java
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* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/Symbol.java
* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/FieldWriter.java
```

\* /opt/cola/permits/1150153141\_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/MethodWriter.java  
\* /opt/cola/permits/1150153141\_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/MethodVisitor.java  
\* /opt/cola/permits/1150153141\_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/ClassTooLargeException.java  
\* /opt/cola/permits/1150153141\_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/ByteVector.java  
\* /opt/cola/permits/1150153141\_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/ClassVisitor.java

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# 1.1095 junit-jupiter-aggregator 5.8.2

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```
<?xml version="1.0" encoding="UTF-8"?>
<module type="JAVA_MODULE" version="4">
  <component name="NewModuleRootManager" inherit-compiler-output="true">
    <exclude-output />
    <content url="file://$MODULE_DIR$">
      <sourceFolder url="file://$MODULE_DIR$/resources" type="java-resource" />
```

```

    <sourceFolder url="file://$MODULE_DIR$/src" isTestSource="false" />
</content>
<orderEntry type="inheritedJdk" />
<orderEntry type="sourceFolder" forTests="false" />
<orderEntry type="module" module-name="intellij.platform.images" />
<orderEntry type="module" module-name="intellij.copyright" />
<orderEntry type="module" module-name="intellij.platform.core" />
<orderEntry type="module" module-name="intellij.xml.psi.impl" />
</component>
</module>
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```

```
package org.jetbrains.kotlin.idea.completion.contributors
```

```

import com.intellij.codeInsight.lookup.LookupElementBuilder
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirSuperTypeCallNameReferencePositionContext
import
org.jetbrains.kotlin.idea.completion.contributors.helpers.FirSuperEntriesProvider.getSuperClassesAvailableForSuperCall
import org.jetbrains.kotlin.idea.completion.contributors.helpers.SuperCallLookupObject
import org.jetbrains.kotlin.idea.completion.contributors.helpers.SuperCallInsertionHandler
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.name.ClassId
import org.jetbrains.kotlin.name.Name

```

```

internal class FirSuperEntryContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int,
) : FirCompletionContributorBase<FirSuperTypeCallNameReferencePositionContext>(basicContext, priority) {
    override fun KtAnalysisSession.complete(
        positionContext: FirSuperTypeCallNameReferencePositionContext,
        weighingContext: WeighingContext
    ) = getSuperClassesAvailableForSuperCall(positionContext.nameExpression).forEach { superType ->
        val tailText = superType.classIdIfNonLocal?.asString()?.let { "($it)" }
        LookupElementBuilder.create(SuperLookupObject(superType.name, superType.classIdIfNonLocal),
superType.name.asString())
            .withTailText(tailText)
            .withInsertHandler(SuperCallInsertionHandler)
            .let { sink.addElement(it) }
    }
}

```

```

private class SuperLookupObject(val className: Name, val classId: ClassId?) : SuperCallLookupObject {
    override val replaceTo: String

```

```
get() = when {
    classId != null -> "${classId.asSingleFqName().asString()}"
    else -> "${className.asString()}"
}
```

```
override val shortenReferencesInReplaced: Boolean
    get() = classId != null
}
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\*/

```
package org.jetbrains.kotlin.idea.completion.contributors
```

```
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.calls.KtFunctionCall
import org.jetbrains.kotlin.analysis.api.calls.symbol
import org.jetbrains.kotlin.analysis.api.signatures.KtVariableLikeSignature
import org.jetbrains.kotlin.analysis.api.symbols.KtValueParameterSymbol
import org.jetbrains.kotlin.analysis.api.types.KtType
import org.jetbrains.kotlin.idea.base.analysis.api.utils.CallParameterInfoProvider
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirNameReferencePositionContext
import org.jetbrains.kotlin.idea.completion.findValueArgument
import org.jetbrains.kotlin.idea.completion.weighers.Weighers
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.idea.parameterInfo.collectCallCandidates
import org.jetbrains.kotlin.lexer.KtTokens
import org.jetbrains.kotlin.name.Name
import org.jetbrains.kotlin.psi.KtCallElement
import org.jetbrains.kotlin.psi.KtValueArgument
import org.jetbrains.kotlin.psi.KtValueArgumentList
```

```
internal class FirNamedArgumentCompletionContributor(basicContext: FirBasicCompletionContext, priority: Int) :
    FirCompletionContributorBase<FirNameReferencePositionContext>(basicContext, priority) {
```

```
    override fun KtAnalysisSession.complete(positionContext: FirNameReferencePositionContext, weighingContext:
    WeighingContext) {
```

```
        if (positionContext.explicitReceiver != null) return
```

```
        val valueArgument = findValueArgument(positionContext.nameExpression) ?: return
```

```
        val valueArgumentList = valueArgument.parent as? KtValueArgumentList ?: return
```

```
        val callElement = valueArgumentList.parent as? KtCallElement ?: return
```

```

if (valueArgument.getArgumentName() != null) return

val candidates = collectCallCandidates(callElement)
    .mapNotNull { it.candidate as? KtFunctionCall<*> }
    .filter { it.partiallyAppliedSymbol.symbol.hasStableParameterNames }

val namedArgumentInfos = buildList {
    val currentArgumentIndex = valueArgumentList.arguments.indexOf(valueArgument)
    val (candidatesWithTypeMismatches, candidatesWithNoTypeMismatches) = candidates.partition {
        CallParameterInfoProvider.hasTypeMismatchBeforeCurrent(callElement, it.argumentMapping,
currentArgumentIndex)
    }

    addAll(collectNamedArgumentInfos(callElement, candidatesWithNoTypeMismatches,
currentArgumentIndex))
    // if no candidates without type mismatches have any candidate parameters, try searching among remaining
candidates
    if (isEmpty()) {
        addAll(collectNamedArgumentInfos(callElement, candidatesWithTypeMismatches,
currentArgumentIndex))
    }
}

for ((name, types) in namedArgumentInfos) {
    val elements = buildList {
        with(lookupElementFactory) {
            add(createNamedArgumentLookupElement(name, types))
            if (types.any { it.isBoolean }) {
                add(createNamedArgumentWithValueLookupElement(name, KtTokens.TRUE_KEYWORD.value))
                add(createNamedArgumentWithValueLookupElement(name, KtTokens.FALSE_KEYWORD.value))
            }
            if (types.any { it.isMarkedNullable }) {
                add(createNamedArgumentWithValueLookupElement(name, KtTokens.NULL_KEYWORD.value))
            }
        }
    }
    elements.forEach { Weighers.applyWeightsToLookupElement(weighingContext, it, symbolWithOrigin =
null) }

    sink.addAllElements(elements)
}

/**
 * @property types types of all parameter candidates that match [name]
 */
private data class NamedArgumentInfo(

```

```

    val name: Name,
    val types: List<KtType>
)

private fun KtAnalysisSession.collectNamedArgumentInfos(
    callElement: KtCallElement,
    candidates: List<KtFunctionCall<*>>,
    currentArgumentIndex: Int
): List<NamedArgumentInfo> {
    val argumentsBeforeCurrent = callElement.valueArgumentList?.arguments?.take(currentArgumentIndex) ?:
return emptyList()

    val nameToTypes = mutableMapOf<Name, MutableSet<KtType>>()
    for (candidate in candidates) {
        val parameterCandidates = collectNotUsedParameterCandidates(callElement, candidate,
argumentsBeforeCurrent)
        parameterCandidates.forEach { parameter ->
            nameToTypes.getOrPut(parameter.name) { HashSet() }.add(parameter.symbol.returnType)
        }
    }
    return nameToTypes.map { (name, types) -> NamedArgumentInfo(name, types.toList()) }
}

private fun KtAnalysisSession.collectNotUsedParameterCandidates(
    callElement: KtCallElement,
    candidate: KtFunctionCall<*>,
    argumentsBeforeCurrent: List<KtValueArgument>
): List<KtVariableLikeSignature<KtValueParameterSymbol>> {
    val signature = candidate.partiallyAppliedSymbol.signature
    val argumentMapping = candidate.argumentMapping

    val argumentToParameterIndex = CallParameterInfoProvider.mapArgumentsToParameterIndices(callElement,
signature, argumentMapping)
    if (argumentsBeforeCurrent.any { it.getArgumentExpression() !in argumentToParameterIndex }) return
emptyList()

    val alreadyPassedParameters = argumentsBeforeCurrent.mapNotNull {
argumentMapping[it.getArgumentExpression()] }.toSet()
    return signature.valueParameters.filterNot { it in alreadyPassedParameters }
}
}
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```

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```
package org.jetbrains.kotlin.idea.completion.contributors
```

```
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.symbols.*
import org.jetbrains.kotlin.analysis.api.types.KtNonErrorClassType
import org.jetbrains.kotlin.idea.completion.checkers.CompletionVisibilityChecker
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirNameReferencePositionContext
import org.jetbrains.kotlin.idea.completion.contributors.helpers.CompletionSymbolOrigin
import
org.jetbrains.kotlin.idea.completion.contributors.helpers.FirClassifierProvider.getAvailableClassifiersCurrentScope
import
org.jetbrains.kotlin.idea.completion.contributors.helpers.FirClassifierProvider.getAvailableClassifiersFromIndex
import org.jetbrains.kotlin.idea.completion.contributors.helpers.getStaticScope
import org.jetbrains.kotlin.idea.completion.lookups.ImportStrategy
```

```

import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.psi.KtExpression

internal open class FirClassifierCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int,
) : FirCompletionContributorBase<FirNameReferencePositionContext>(basicContext, priority) {

    protected open fun KtAnalysisSession.filterClassifiers(classifierSymbol: KtClassifierSymbol): Boolean = true

    protected open fun KtAnalysisSession.getImportingStrategy(classifierSymbol: KtClassifierSymbol):
    ImportStrategy =
        importStrategyDetector.detectImportStrategyForClassifierSymbol(classifierSymbol)

    override fun KtAnalysisSession.complete(positionContext: FirNameReferencePositionContext, weighingContext:
    WeighingContext) {
        val visibilityChecker = CompletionVisibilityChecker.create(basicContext, positionContext)

        when (val receiver = positionContext.explicitReceiver) {
            null -> {
                completeWithoutReceiver(positionContext, visibilityChecker, weighingContext)
            }
            else -> {
                completeWithReceiver(receiver, visibilityChecker, weighingContext)
            }
        }
    }

    private fun KtAnalysisSession.completeWithReceiver(
        receiver: KtExpression,
        visibilityChecker: CompletionVisibilityChecker,
        context: WeighingContext
    ) {
        val reference = receiver.reference() ?: return
        val scopeWithKind = getStaticScope(reference) ?: return
        scopeWithKind.scope
            .getClassifierSymbols(scopeNameFilter)
            .filter { filterClassifiers(it) }
            .filter { visibilityChecker.isVisible(it) }
            .forEach {
                val symbolOrigin = CompletionSymbolOrigin.Scope(scopeWithKind.kind)
                addClassifierSymbolToCompletion(it, context, symbolOrigin, ImportStrategy.DoNothing)
            }
    }

    private fun KtAnalysisSession.completeWithoutReceiver(
        positionContext: FirNameReferencePositionContext,
        visibilityChecker: CompletionVisibilityChecker,

```

```

    context: WeighingContext
  ){
    val availableFromScope = mutableSetOf<KtClassifierSymbol>()
    getAvailableClassifiersCurrentScope(
      originalKtFile,
      positionContext.nameExpression,
      scopeNameFilter,
      visibilityChecker
    )
    .filter { filterClassifiers(it.symbol) }
    .forEach { symbolWithScopeKind ->
      val classifierSymbol = symbolWithScopeKind.symbol
      val symbolOrigin = CompletionSymbolOrigin.Scope(symbolWithScopeKind.scopeKind)
      availableFromScope += classifierSymbol
      addClassifierSymbolToCompletion(classifierSymbol, context, symbolOrigin,
getImportingStrategy(classifierSymbol))
    }

    if (prefixMatcher.prefix.isNotEmpty()) {
      getAvailableClassifiersFromIndex(
        symbolFromIndexProvider,
        scopeNameFilter,
        visibilityChecker
      )
      .filter { it !in availableFromScope && filterClassifiers(it) }
      .forEach { classifierSymbol ->
        val symbolOrigin = CompletionSymbolOrigin.Index
        addClassifierSymbolToCompletion(classifierSymbol, context, symbolOrigin,
getImportingStrategy(classifierSymbol))
      }
    }
  }
}

internal class FirAnnotationCompletionContributor(
  basicContext: FirBasicCompletionContext,
  priority: Int
): FirClassifierCompletionContributor(basicContext, priority) {

  override fun KtAnalysisSession.filterClassifiers(classifierSymbol: KtClassifierSymbol): Boolean = when
(classifierSymbol) {
    is KtAnonymousObjectSymbol -> false
    is KtTypeParameterSymbol -> false
    is KtNamedClassOrObjectSymbol -> when (classifierSymbol.classKind) {
      KtClassKind.ANNOTATION_CLASS -> true
      KtClassKind.ENUM_CLASS -> false
      KtClassKind.ANONYMOUS_OBJECT -> false
      KtClassKind.CLASS, KtClassKind.OBJECT, KtClassKind.COMPANION_OBJECT,

```

```

KtClassKind.INTERFACE -> {
    // TODO show class if nested classifier is annotation class
    // classifierSymbol.getDeclaredMemberScope().getClassifierSymbols().any { filterClassifiers(it) }
    false
}
}
}
is KtTypeAliasSymbol -> {
    val expendedClass = (classifierSymbol.expandedType as? KtNonErrorClassType)?.classSymbol
    expendedClass?.let { filterClassifiers(it) } == true
}
}
}
}

internal class FirClassifierReferenceCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int
) : FirClassifierCompletionContributor(basicContext, priority) {

    override fun KtAnalysisSession.getImportingStrategy(classifierSymbol: KtClassifierSymbol): ImportStrategy =
        ImportStrategy.DoNothing
}

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package org.jetbrains.kotlin.idea.completion.contributors.keywords

import com.intellij.codeInsight.completion.CompletionParameters
import com.intellij.codeInsight.lookup.LookupElement
import com.intellij.openapi.project.Project
import com.intellij.openapi.util.Key
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.types.KtType
import org.jetbrains.kotlin.idea.completion.createKeywordElement
import org.jetbrains.kotlin.idea.completion.createKeywordElementWithSpace
import org.jetbrains.kotlin.idea.completion.implCommon.keywords.isInlineFunctionCall
import org.jetbrains.kotlin.idea.completion.isLikelyInPositionForReturn
import org.jetbrains.kotlin.idea.completion.keywords.CompletionKeywordHandler
import org.jetbrains.kotlin.idea.completion.labelNameToTail
import org.jetbrains.kotlin.lexer.KtTokens
import org.jetbrains.kotlin.name.Name
import org.jetbrains.kotlin.name.StandardClassIds
import org.jetbrains.kotlin.psi.KtDeclarationWithBody
import org.jetbrains.kotlin.psi.KtExpression
import org.jetbrains.kotlin.psi.KtFunctionLiteral
import org.jetbrains.kotlin.psi.NotNullableUserDataProperty
import org.jetbrains.kotlin.psi.psiUtil.findLabelAndCall
import org.jetbrains.kotlin.psi.psiUtil.parentsWithSelf

```

```

/**
 * Implementation in K1: [org.jetbrains.kotlin.idea.completion.returnExpressionItems]
 */
internal object ReturnKeywordHandler :
CompletionKeywordHandler<KtAnalysisSession>(KtTokens.RETURN_KEYWORD) {
    @OptIn(ExperimentalStdlibApi::class)
    override fun KtAnalysisSession.createLookups(
        parameters: CompletionParameters,
        expression: KtExpression?,
        lookup: LookupElement,
        project: Project
    ): Collection<LookupElement> {
        if (expression == null) return emptyList()
        val result = mutableListOf<LookupElement>()

        for (parent in expression.parentsWithSelf.filterIsInstance<KtDeclarationWithBody>()) {
            val returnType = parent.getReturnKtType()
            if (parent is KtFunctionLiteral) {
                val (label, call) = parent.findLabelAndCall()
                if (label != null) {
                    addAllReturnVariants(result, returnType, label)
                }

                // check if the current function literal is inlined and stop processing outer declarations if it's not
                if (!isInlineFunctionCall(call)) {
                    break
                }
            } else {
                if (parent.hasBlockBody()) {
                    addAllReturnVariants(
                        result,
                        returnType,
                        label = null,
                        isLikelyInPositionForReturn(expression, parent, returnType.isUnit)
                    )
                }
                break
            }
        }

        return result
    }

    private fun KtAnalysisSession.addAllReturnVariants(
        result: MutableList<LookupElement>,
        returnType: KtType,
        label: Name?,
        isLikelyInPositionForReturn: Boolean = false
    ) {

```

```

) {
    val isUnit = returnType.isUnit
    result.add(createKeywordElementWithSpace("return", tail = label?.labelNameToTail().orEmpty(),
addSpaceAfter = !isUnit).also {
        it.isReturnAtHighlyLikelyPosition = isLikelyInPositionForReturn
    })
    getExpressionsToReturnByType(returnType).mapTo(result) { returnTarget ->
        val lookupElement = if (label != null || returnTarget.addToLookupElementTail) {
            createKeywordElement("return", tail = "${label.labelNameToTail()} ${returnTarget.expressionText}")
        } else {
            createKeywordElement("return ${returnTarget.expressionText}")
        }
        lookupElement.isReturnAtHighlyLikelyPosition = isLikelyInPositionForReturn
        lookupElement
    }
}

@OptIn(ExperimentalStdlibApi::class)
private fun KtAnalysisSession.getExpressionsToReturnByType(returnType: KtType): List<ExpressionTarget> =
buildList {
    if (returnType.canBeNull) {
        add(ExpressionTarget("null", addToLookupElementTail = false))
    }

    fun emptyListShouldBeSuggested(): Boolean =
        returnType.isClassTypeWithClassId(StandardClassIds.Collection)
            || returnType.isClassTypeWithClassId(StandardClassIds.List)
            || returnType.isClassTypeWithClassId(StandardClassIds.Iterable)

    when {
        returnType.isClassTypeWithClassId(StandardClassIds.Boolean) -> {
            add(ExpressionTarget("true", addToLookupElementTail = false))
            add(ExpressionTarget("false", addToLookupElementTail = false))
        }
        emptyListShouldBeSuggested() -> {
            add(ExpressionTarget("emptyList()", addToLookupElementTail = true))
        }
        returnType.isClassTypeWithClassId(StandardClassIds.Set) -> {
            add(ExpressionTarget("emptySet()", addToLookupElementTail = true))
        }
    }
}

var LookupElement.isReturnAtHighlyLikelyPosition: Boolean by NotNullableUserDataProperty(
    Key("KOTLIN_IS_RETURN_AT_HIGHLY_LIKELY_POSITION"),
    false
)
}

```

```

private data class ExpressionTarget(
    val expressionText: String,
    /**
     * FE10 completion sometimes add return target to LookupElement tails and sometimes not,
     * To ensure consistency (at least for tests) we need to do it to
     */
    val addToLookupElementTail: Boolean
)
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package org.jetbrains.kotlin.idea.completion.contributors.keywords

import com.intellij.codeInsight.completion.*
import com.intellij.codeInsight.lookup.LookupElement
import com.intellij.openapi.project.Project
import org.jetbrains.kotlin.idea.completion.KeywordLookupObject
import
org.jetbrains.kotlin.idea.completion.contributors.helpers.FirSuperEntriesProvider.getSuperClassesAvailableForSuperCall
import org.jetbrains.kotlin.idea.completion.contributors.helpers.SuperCallLookupObject
import org.jetbrains.kotlin.idea.completion.contributors.helpers.SuperCallInsertionHandler
import org.jetbrains.kotlin.idea.completion.createKeywordElement
import org.jetbrains.kotlin.idea.completion.keywords.CompletionKeywordHandler
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.lexer.KtTokens
import org.jetbrains.kotlin.name.ClassId
import org.jetbrains.kotlin.name.Name
import org.jetbrains.kotlin.psi.KtExpression

internal object SuperKeywordHandler :
CompletionKeywordHandler<KtAnalysisSession>(KtTokens.SUPER_KEYWORD) {
    @OptIn(ExperimentalStdlibApi::class)
    override fun KtAnalysisSession.createLookups(
        parameters: CompletionParameters,
        expression: KtExpression?,
        lookup: LookupElement,
        project: Project
    ): Collection<LookupElement> {
        val superClasses = getSuperClassesAvailableForSuperCall(parameters.position)

        if (superClasses.isEmpty()) {
            return emptyList()
        }

        if (expression == null) {
            // for completion in secondary constructor delegation call

```

```

        return listOf(lookup)
    }

    return when {
        superClasses.size <= 1 -> listOf(lookup)
        else -> buildList {
            add(lookup)
            superClasses.mapTo(this) { symbol ->
                createKeywordElement("super", "<${symbol.name}>", SuperKeywordLookupObject(symbol.name,
symbol.classIdIfNonLocal))
                    .withInsertHandler(SuperCallInsertionHandler)
            }
        }
    }
}

```

```

private class SuperKeywordLookupObject(val className: Name, val classId: ClassId?) : KeywordLookupObject(),
SuperCallLookupObject {
    override val replaceTo: String?
        get() = classId?.let { "super<${it.asSingleFqName().asString()}>" }

    override val shortenReferencesInReplaced: Boolean
        get() = classId != null
}

```

/\*

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 \* =====  
 \*/  
 package normal  
 xml-commons/java/external/README.dom.txt \$Id: README.dom.txt,v 1.1 2002/01/31 23:13:42 curcuru Exp \$

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```
*/  
<?xml version="1.0" encoding="UTF-8"?>  
<module type="JAVA_MODULE" version="4">  
  <component name="NewModuleRootManager" inherit-compiler-output="true">  
    <exclude-output />  
    <content url="file://$MODULE_DIR$">  
      <sourceFolder url="file://$MODULE_DIR$/src" isTestSource="false" />  
      <sourceFolder url="file://$MODULE_DIR$/resources" type="java-resource" />  
    </content>  
    <orderEntry type="inheritedJdk" />  
    <orderEntry type="sourceFolder" forTests="false" />  
    <orderEntry type="module" module-name="intellij.copyright" />  
    <orderEntry type="library" name="kotlin-stdlib" level="project" />  
    <orderEntry type="module" module-name="intellij.platform.core" />  
    <orderEntry type="module" module-name="intellij.python.community.impl" />  
  </component>  
</module>
```

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```
package org.jetbrains.kotlin.idea.completion.contributors
```

```
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirCallableReferencePositionContext
import org.jetbrains.kotlin.idea.completion.createKeywordElement
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.platform.jvm.isJvm
```

```
internal class FirClassReferenceCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int
) : FirCompletionContributorBase<FirCallableReferencePositionContext>(basicContext, priority) {
```

```

override fun KtAnalysisSession.complete(positionContext: FirCallableReferencePositionContext,
weighingContext: WeighingContext) {
    if (positionContext.explicitReceiver == null) return
    sink.addElement(createKeywordElement("class"))
    if (targetPlatform.isJvm()) {
        sink.addElement(createKeywordElement("class", tail = ".java"))
    }
}
}
}

```

xml-commons/java/external/README.sax.txt \$Id: README.sax.txt,v 1.1 2002/01/31 23:26:48 curcuru Exp \$

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```

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```

package org.jetbrains.kotlin.idea.completion.contributors

```

```

import com.intellij.codeInsight.completion.CompletionParameters
import com.intellij.codeInsight.completion.InsertionContext
import com.intellij.codeInsight.completion.PrefixMatcher
import com.intellij.codeInsight.lookup.LookupElement
import com.intellij.codeInsight.lookup.LookupElementDecorator
import com.intellij.codeInsight.lookup.LookupElementPresentation
import com.intellij.openapi.project.Project
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.scopes.KtScopeNameFilter
import org.jetbrains.kotlin.analysis.api.signatures.KtCallableSignature
import org.jetbrains.kotlin.analysis.api.symbols.*

```

```

import org.jetbrains.kotlin.analysis.api.symbols.markers.KtNamedSymbol
import org.jetbrains.kotlin.analysis.api.types.KtType
import org.jetbrains.kotlin.idea.base.analysis.api.utils.KtSymbolFromIndexProvider
import org.jetbrains.kotlin.idea.base.analysis.api.utils.shortenReferencesInRange
import org.jetbrains.kotlin.idea.base.fir.codeInsight.HLIndexHelper
import org.jetbrains.kotlin.idea.completion.ItemPriority
import org.jetbrains.kotlin.idea.completion.KOTLIN_CAST_REQUIRED_COLOR
import org.jetbrains.kotlin.idea.completion.LookupElementSink
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirRawPositionCompletionContext
import org.jetbrains.kotlin.idea.completion.contributors.helpers.CallableMetadataProvider
import org.jetbrains.kotlin.idea.completion.contributors.helpers.CompletionSymbolOrigin
import org.jetbrains.kotlin.idea.completion.contributors.helpers.KtSymbolWithOrigin
import org.jetbrains.kotlin.idea.completion.impl.k2.ImportStrategyDetector
import org.jetbrains.kotlin.idea.completion.lookups.CallableInsertionOptions
import org.jetbrains.kotlin.idea.completion.lookups.ImportStrategy
import org.jetbrains.kotlin.idea.completion.lookups.factories.KotlinFirLookupElementFactory
import org.jetbrains.kotlin.idea.completion.priority
import org.jetbrains.kotlin.idea.completion.weighers.CallableWeigher.callableWeight
import org.jetbrains.kotlin.idea.completion.weighers.Weighers
import org.jetbrains.kotlin.idea.completion.weighers.Weighers.applyWeightsToLookupElement
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.idea.references.mainReference
import org.jetbrains.kotlin.platform.TargetPlatform
import org.jetbrains.kotlin.psi.*
import org.jetbrains.kotlin.resolve.deprecation.DeprecationLevelValue
import org.jetbrains.kotlin.types.Variance

```

```

internal class FirCompletionContributorOptions(
    val priority: Int = 0
) {
    companion object {
        val DEFAULT = FirCompletionContributorOptions()
    }
}

```

```

internal abstract class FirCompletionContributorBase<C : FirRawPositionCompletionContext>(
    protected val basicContext: FirBasicCompletionContext,
    options: FirCompletionContributorOptions,
) {

```

```

    constructor(basicContext: FirBasicCompletionContext, priority: Int) :
        this(basicContext, FirCompletionContributorOptions(priority))

```

```

    protected val prefixMatcher: PrefixMatcher get() = basicContext.prefixMatcher
    protected val parameters: CompletionParameters get() = basicContext.parameters
    protected val sink: LookupElementSink = basicContext.sink.withPriority(options.priority)
    protected val originalKtFile: KtFile get() = basicContext.originalKtFile

```

```

protected val fakeKtFile: KtFile get() = basicContext.fakeKtFile
protected val project: Project get() = basicContext.project
protected val targetPlatform: TargetPlatform get() = basicContext.targetPlatform
protected val indexHelper: HLIndexHelper get() = basicContext.indexHelper
protected val symbolFromIndexProvider: KtSymbolFromIndexProvider get() =
basicContext.symbolFromIndexProvider
protected val lookupElementFactory: KotlinFirLookupElementFactory get() =
basicContext.lookupElementFactory
protected val importStrategyDetector: ImportStrategyDetector get() = basicContext.importStrategyDetector
protected val visibleScope = basicContext.visibleScope

protected val scopeNameFilter: KtScopeNameFilter =
    { name -> !name.isSpecial && prefixMatcher.prefixMatches(name.identifier) }

abstract fun KtAnalysisSession.complete(positionContext: C, weighingContext: WeighingContext)

protected fun KtAnalysisSession.addSymbolToCompletion(expectedType: KtType?, symbol: KtSymbol) {
    if (symbol !is KtNamedSymbol) return
    // Don't offer any hidden deprecated items.
    if (symbol.deprecationStatus?.deprecationLevel == DeprecationLevelValue.HIDDEN) return
    with(lookupElementFactory) {
        createLookupElement(symbol, importStrategyDetector, expectedType = expectedType)
            .let(sink::addElement)
    }
}

protected fun KtAnalysisSession.addClassifierSymbolToCompletion(
    symbol: KtClassifierSymbol,
    context: WeighingContext,
    symbolOrigin: CompletionSymbolOrigin,
    importingStrategy: ImportStrategy =
importStrategyDetector.detectImportStrategyForClassifierSymbol(symbol),
) {
    if (symbol !is KtNamedSymbol) return
    // Don't offer any deprecated items that could leads to compile errors.
    if (symbol.deprecationStatus?.deprecationLevel == DeprecationLevelValue.HIDDEN) return
    val lookup = with(lookupElementFactory) {
        when (symbol) {
            is KtClassLikeSymbol -> createLookupElementForClassLikeSymbol(symbol, importingStrategy)
            is KtTypeParameterSymbol -> createLookupElement(symbol, importStrategyDetector)
        }
    }
    } ?: return

    applyWeighsToLookupElement(context, lookup, KtSymbolWithOrigin(symbol, symbolOrigin))
    sink.addElement(lookup)
}

```

```

protected fun KtAnalysisSession.addCallableSymbolToCompletion(
    context: WeighingContext,
    signature: KtCallableSignature<*>,
    options: CallableInsertionOptions,
    symbolOrigin: CompletionSymbolOrigin,
    priority: ItemPriority? = null,
    explicitReceiverTypeHint: KtType? = null,
) {
    val symbol = signature.symbol
    val name = when (symbol) {
        is KtNamedSymbol -> symbol.name
        is KtConstructorSymbol -> (symbol.getContainingSymbol() as? KtNamedClassOrObjectSymbol)?.name
        else -> null
    } ?: return

    // Don't offer any deprecated items that could leads to compile errors.
    if (symbol.deprecationStatus?.deprecationLevel == DeprecationLevelValue.HIDDEN) return
    val lookup = with(lookupElementFactory) {
        createCallableLookupElement(name, signature, options, context.expectedType)
    }
    priority?.let { lookup.priority = it }

    Weighers.applyWeightsToLookupElementForCallable(context, lookup, signature, symbolOrigin)
    sink.addElement(lookup.adaptToReceiver(context, explicitReceiverTypeHint?.render(position =
    Variance.INVARIANT)))
}

private fun LookupElement.adaptToReceiver(weigherContext: WeighingContext, explicitReceiverTypeHint:
String?): LookupElement {
    val explicitReceiverRange = weigherContext.explicitReceiver?.textRange
    val explicitReceiverText = weigherContext.explicitReceiver?.text
    return when (callableWeight?.kind) {
        // Make the text bold if it's immediate member of the receiver
        CallableMetadataProvider.CallableKind.ThisClassMember,
        CallableMetadataProvider.CallableKind.ThisTypeExtension ->
        object : LookupElementDecorator<LookupElement>(this) {
            override fun renderElement(presentation: LookupElementPresentation) {
                super.renderElement(presentation)
                presentation.isItemTextBold = true
            }
        }
    }

    // Make the text gray and insert type cast if the receiver type does not match.
    is CallableMetadataProvider.CallableKind.ReceiverCastRequired -> object :
LookupElementDecorator<LookupElement>(this) {
        override fun renderElement(presentation: LookupElementPresentation) {
            super.renderElement(presentation)
            presentation.itemTextForeground = KOTLIN_CAST_REQUIRED_COLOR
        }
    }
}

```

```

// gray all tail fragments too:
val fragments = presentation.tailFragments
presentation.clearTail()
for (fragment in fragments) {
    presentation.appendTailText(fragment.text, true)
}
}

override fun handleInsert(context: InsertionContext) {
    super.handleInsert(context)
    if (explicitReceiverRange == null || explicitReceiverText == null) return
    val castType = explicitReceiverTypeHint ?: return
    val newReceiver = "(${explicitReceiverText} as $castType)"
    context.document.replaceString(explicitReceiverRange.startOffset, explicitReceiverRange.endOffset,
newReceiver)
    context.commitDocument()
    shortenReferencesInRange(
        context.file as KtFile,
        explicitReceiverRange.grown(newReceiver.length)
    )
}
}

else -> this
}
}

protected fun KtExpression.reference() = when (this) {
    is KtDotQualifiedExpression -> selectorExpression?.mainReference
    else -> mainReference
}
}

internal fun <C : FirRawPositionCompletionContext> KtAnalysisSession.complete(
    contextContributor: FirCompletionContributorBase<C>,
    positionContext: C,
    weighingContext: WeighingContext
) {
    with(contextContributor) {
        complete(positionContext, weighingContext)
    }
}
}
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// -----

```

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\* \$Revision: 1.2 \$

\* \$Date: 2003/04/06 20:37:31 \$

\*

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 license.

```
package org.jetbrains.kotlin.idea.completion.contributors

import com.intellij.codeInsight.completion.InsertionContext
import com.intellij.codeInsight.lookup.LookupElement
import com.intellij.codeInsight.lookup.LookupElementBuilder
import com.intellij.openapi.util.TextRange
import com.intellij.psi.util.parentOfType
import it.unimi.dsi.fastutil.Hash
import it.unimi.dsi.fastutil.objects.ObjectOpenCustomHashSet
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.symbols.*
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtNamedSymbol
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtSymbolWithTypeParameters
import org.jetbrains.kotlin.analysis.api.types.*
import org.jetbrains.kotlin.descriptors.Modality
import org.jetbrains.kotlin.idea.base.analysis.api.utils.shortenReferencesInRange
import org.jetbrains.kotlin.idea.base.codeInsight.KotlinIconProvider.getIconFor
```

```

import org.jetbrains.kotlin.idea.base.util.letIf
import org.jetbrains.kotlin.idea.completion.InsertionHandlerBase
import org.jetbrains.kotlin.idea.completion.checkers.CompletionVisibilityChecker
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirWithSubjectEntryPositionContext
import
org.jetbrains.kotlin.idea.completion.contributors.helpers.FirClassifierProvider.getAvailableClassifiersCurrentScope
import
org.jetbrains.kotlin.idea.completion.contributors.helpers.FirClassifierProvider.getAvailableClassifiersFromIndex
import org.jetbrains.kotlin.idea.completion.contributors.helpers.addTypeArguments
import org.jetbrains.kotlin.idea.completion.contributors.helpers.createStarTypeArgumentsList
import org.jetbrains.kotlin.idea.completion.contributors.helpers.insertSymbol
import org.jetbrains.kotlin.idea.completion.createKeywordElement
import org.jetbrains.kotlin.idea.completion.lookups.KotlinLookupObject
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.lexer.KtTokens
import org.jetbrains.kotlin.name.ClassId
import org.jetbrains.kotlin.name.FqName
import org.jetbrains.kotlin.name.Name
import org.jetbrains.kotlin.psi.*
import org.jetbrains.kotlin.renderers.render

```

```

internal class FirWhenWithSubjectConditionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int,
) : FirCompletionContributorBase<FirWithSubjectEntryPositionContext>(basicContext, priority) {
    override fun KtAnalysisSession.complete(positionContext: FirWithSubjectEntryPositionContext,
weighingContext: WeighingContext) {
        val whenCondition = positionContext.whenCondition
        val whenExpression = whenCondition.parentOfType<KtWhenExpression>() ?: return
        val subject = whenExpression.subjectExpression ?: return
        val allConditionsExceptCurrent = whenExpression.entries.flatMap { entry -> entry.conditions.filter { it !=
whenCondition } }
        val subjectType = subject.getKtType() ?: return
        val classSymbol = getClassSymbol(subjectType)
        val visibilityChecker = CompletionVisibilityChecker.create(basicContext, positionContext)
        val isSingleCondition = whenCondition.isSingleConditionInEntry()
        when {
            classSymbol?.classKind == KtClassKind.ENUM_CLASS -> {
                completeEnumEntries(classSymbol, allConditionsExceptCurrent, visibilityChecker, isSingleCondition)
            }
            classSymbol?.modality == Modality.SEALED -> {
                completeSubClassesOfSealedClass(
                    classSymbol,
                    allConditionsExceptCurrent,
                    whenCondition,
                    visibilityChecker,
                    isSingleCondition
                )
            }
        }
    }
}

```

```

    )
  }
  else -> {
    completeAllTypes(whenCondition, visibilityChecker, isSingleCondition)
  }
}
addNullIfWhenExpressionCanReturnNull(subjectType)
addElseBranchIfSingleConditionInEntry(whenCondition)
}

private fun KtAnalysisSession.getClassSymbol(subjectType: KtType): KtNamedClassOrObjectSymbol? {
  val classType = subjectType as? KtNonErrorClassType
  return classType?.classSymbol as? KtNamedClassOrObjectSymbol
}

private fun KtAnalysisSession.addNullIfWhenExpressionCanReturnNull(type: KtType?) {
  if (type?.canBeNull == true) {
    val lookupElement = createKeywordElement(keyword = KtTokens.NULL_KEYWORD.value)
    sink.addElement(lookupElement)
  }
}

private fun KtAnalysisSession.completeAllTypes(
  whenCondition: KtWhenCondition,
  visibilityChecker: CompletionVisibilityChecker,
  isSingleCondition: Boolean,
) {
  val availableFromScope = mutableSetOf<KtClassifierSymbol>()
  getAvailableClassifiersCurrentScope(originalKtFile, whenCondition, scopeNameFilter, visibilityChecker)
    .forEach { classifierWithScopeKind ->
      val classifier = classifierWithScopeKind.symbol
      if (classifier !is KtNamedSymbol) return@forEach
      availableFromScope += classifier

      addLookupElement(
        classifier.name.asString(),
        classifier,
        (classifier as? KtNamedClassOrObjectSymbol)?.classIdIfNonLocal?.asSingleFqName(),
        isPrefixNeeded(classifier),
        isSingleCondition,
      )
    }
}

if (prefixMatcher.prefix.isNotEmpty()) {
  getAvailableClassifiersFromIndex(symbolFromIndexProvider, scopeNameFilter, visibilityChecker)
    .forEach { classifier ->
      if (classifier !is KtNamedSymbol || classifier in availableFromScope) return@forEach
    }
}

```

```

        addLookupElement(
            classifier.name.asString(),
            classifier,
            (classifier as? KtNamedClassOrObjectSymbol)?.classIdIfNonLocal?.asSingleFqName(),
            isPrefixNeeded(classifier),
            isSingleCondition,
            availableWithoutImport = false,
        )
    }
}

```

```

private fun KtAnalysisSession.isPrefixNeeded(classifier: KtClassifierSymbol): Boolean {
    return when (classifier) {
        is KtAnonymousObjectSymbol -> return false
        is KtNamedClassOrObjectSymbol -> !classifier.classKind.isObject
        is KtTypeAliasSymbol -> (classifier.expandedType as? KtNonErrorClassType)?.classSymbol?.let {
isPrefixNeeded(it) } == true
        is KtTypeParameterSymbol -> true
    }
}

```

```

@OptIn(ExperimentalStdlibApi::class)
private fun KtAnalysisSession.completeSubClassesOfSealedClass(
    classSymbol: KtNamedClassOrObjectSymbol,
    conditions: List<KtWhenCondition>,
    whenCondition: KtWhenCondition,
    visibilityChecker: CompletionVisibilityChecker,
    isSingleCondition: Boolean,
) {
    require(classSymbol.modality == Modality.SEALED)
    val handledCasesClassIds = getHandledClassIds(conditions)
    val allInheritors = getAllSealedInheritors(classSymbol)

```

```

    allInheritors
        .asSequence()
        .filter { it.classIdIfNonLocal !in handledCasesClassIds }
        .filter { visibilityChecker.isVisible(it as KtClassifierSymbol) }
        .forEach { inheritor ->
            val classId = inheritor.classIdIfNonLocal ?: return@forEach
            addLookupElement(
                classId.relativeClassName.asString(),
                inheritor,
                classId.asSingleFqName(),
                isPrefixNeeded(inheritor),
                isSingleCondition
            )
        }
}

```

```

    }

    if (allInheritors.any { it.modality == Modality.ABSTRACT }) {
        completeAllTypes(whenCondition, visibilityChecker, isSingleCondition)
    }
}

private fun KtAnalysisSession.getHandledClassIds(conditions: List<KtWhenCondition>): Set<ClassId> =
    conditions.mapNotNullTo(hashSetOf()) { condition ->
        val reference = when (condition) {
            is KtWhenConditionWithExpression -> condition.expression?.reference()
            is KtWhenConditionIsPattern -> (condition.typeReference?.typeElement as?
KtUserType)?.referenceExpression?.reference()
            else -> null
        }
        val resolvesTo = reference?.resolveToSymbol() as? KtNamedClassOrObjectSymbol
        resolvesTo?.classIdIfNonLocal
    }

private fun KtAnalysisSession.getAllSealedInheritors(classSymbol: KtNamedClassOrObjectSymbol):
Collection<KtNamedClassOrObjectSymbol> {
    fun KtAnalysisSession.getAllSealedInheritorsTo(
        classSymbol: KtNamedClassOrObjectSymbol,
        destination: MutableSet<KtNamedClassOrObjectSymbol>
    ) {
        classSymbol.getSealedClassInheritors().forEach { inheritor ->
            destination += inheritor
            if (inheritor.modality == Modality.SEALED) {
                getAllSealedInheritorsTo(inheritor, destination)
            }
        }
    }
}

return ObjectOpenCustomHashSet(KtNamedClassOrObjectSymbolToObjectHashingStrategy)
    .apply { getAllSealedInheritorsTo(classSymbol, this) }
}

private fun addElseBranchIfSingleConditionInEntry(whenCondition: KtWhenCondition) {
    val whenEntry = whenCondition.parent as? KtWhenEntry ?: return
    if (whenEntry.conditions.size > 1) return
    val lookupElement = createKeywordElement(keyword = KtTokens.ELSE_KEYWORD.value, tail = " -> ")
    sink.addElement(lookupElement)
}

private fun KtAnalysisSession.completeEnumEntries(
    classSymbol: KtNamedClassOrObjectSymbol,
    conditions: List<KtWhenCondition>,

```

```

visibilityChecker: CompletionVisibilityChecker,
isSingleCondition: Boolean,
) {
    require(classSymbol.classKind == KtClassKind.ENUM_CLASS)
    val handledCasesNames = conditions.mapNotNullTo(hashSetOf()) { condition ->
        val conditionWithExpression = condition as? KtWhenConditionWithExpression
        val resolvesTo = conditionWithExpression?.expression?.reference()?.resolveToSymbol() as?
KtEnumEntrySymbol
        resolvesTo?.name
    }
    val allEnumEntrySymbols = classSymbol.getEnumEntries()
    allEnumEntrySymbols
        .filter { it.name !in handledCasesNames }
        .filter { visibilityChecker.isVisible(it) }
        .forEach { entry ->
            addLookupElement(
                "${classSymbol.name.asString()}.${entry.name.asString()}",
                entry,
                entry.callableIdIfNonLocal?.asSingleFqName(),
                isPrefixNeeded = false,
                isSingleCondition,
            )
        }
}

private fun KtWhenCondition.isSingleConditionInEntry(): Boolean {
    val entry = parent as KtWhenEntry
    return entry.conditions.size == 1
}

private fun KtAnalysisSession.addLookupElement(
    lookupString: String,
    symbol: KtNamedSymbol,
    fqName: FqName?,
    isPrefixNeeded: Boolean,
    isSingleCondition: Boolean,
    availableWithoutImport: Boolean = true,
) {
    val typeArgumentsCount = (symbol as? KtSymbolWithTypeParameters)?.typeParameters?.size ?: 0
    val lookupObject = WhenConditionLookupObject(symbol.name, fqName, isPrefixNeeded, isSingleCondition,
typeArgumentsCount)

    LookupElementBuilder.create(lookupObject, getIsPrefix(isPrefixNeeded) + lookupString)
        .withIcon(getIconFor(symbol))
        .withPsiElement(symbol.psi)
        .withInsertHandler(WhenConditionInsertionHandler)
        .withTailText(createStarTypeArgumentsList(typeArgumentsCount), /*grayed*/true)
        .letIf(isSingleCondition) { it.appendTailText(" -> ", /*grayed*/true) }
}

```

```

        .let(sink::addElement)
    }
}

private data class WhenConditionLookupObject(
    override val shortName: Name,
    val fqName: FqName?,
    val needIsPrefix: Boolean,
    val isSingleCondition: Boolean,
    val typeArgumentsCount: Int,
) : KotlinLookupObject

private object WhenConditionInsertionHandler :
    InsertionHandlerBase<WhenConditionLookupObject>(WhenConditionLookupObject::class) {
    override fun handleInsert(context: InsertionContext, item: LookupElement, ktFile: KtFile, lookupObject:
        WhenConditionLookupObject) {
        context.insertName(lookupObject, ktFile)
        context.addTypeArguments(lookupObject.typeArgumentsCount)
        context.addArrow(lookupObject)
    }

    private fun InsertionContext.addArrow(
        lookupObject: WhenConditionLookupObject
    ) {
        if (lookupObject.isSingleCondition && completionChar != ',') {
            insertSymbol(" -> ")
            commitDocument()
        }
    }

    private fun InsertionContext.insertName(
        lookupObject: WhenConditionLookupObject,
        ktFile: KtFile
    ) {
        if (lookupObject.fqName != null) {
            val fqName = lookupObject.fqName
            document.replaceString(
                startOffset,
                tailOffset,
                getIsPrefix(lookupObject.needIsPrefix) + fqName.render()
            )
            commitDocument()

            shortenReferencesInRange(ktFile, TextRange(startOffset, tailOffset))
        }
    }
}

```

```
private fun getIsPrefix(prefixNeeded: Boolean): String {
    return if (prefixNeeded) "is " else ""
}
```

```
@Suppress("AnalysisApiMissingLifetimeControlOnCallable")
```

```
private object KtNamedClassOrObjectSymbolToObjectHashingStrategy :
```

```
Hash.Strategy<KtNamedClassOrObjectSymbol> {
```

```
    override fun equals(p0: KtNamedClassOrObjectSymbol?, p1: KtNamedClassOrObjectSymbol?): Boolean {
        return p0?.classIdIfNonLocal == p1?.classIdIfNonLocal
    }
}
```

```
    override fun hashCode(p0: KtNamedClassOrObjectSymbol?): Int = p0?.classIdIfNonLocal?.hashCode() ?: 0
}
```

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```
package com.maddyhome.idea.copyright
```

```
import com.intellij.configurationStore.SerializableScheme
```

```
import com.intellij.configurationStore.serializeObjectInto
```

```
import com.intellij.openapi.components.BaseState
```

```
import com.intellij.openapi.options.ExternalizableScheme
```

```
import com.intellij.openapi.util.NlsSafe
```

```
import com.intellij.util.xmlb.annotations.OptionTag
```

```
import com.intellij.util.xmlb.annotations.Transient
```

```
import com.maddyhome.idea.copyright.pattern.EntityUtil
```

```
import org.jdom.Element
```

```
@Suppress("SpellCheckingInspection")
```

```
@JvmField
```

```
val DEFAULT_COPYRIGHT_NOTICE: String = EntityUtil.encode(
```

```
"Copyright (c) ${originalComment.match("\\(c\\) (\\d+)\\", 1, "-\\", "\\$today.year")}$today.year. Lorem ipsum dolor sit amet, consectetur adipiscing elit. \n" +
```

```
"Morbi non lorem porttitor neque feugiat blandit. Ut vitae ipsum eget quam lacinia accumsan. \n" +
```

```
"Etiam sed turpis ac ipsum condimentum fringilla. Maecenas magna. \n" +
```

```
"Proin dapibus sapien vel ante. Aliquam erat volutpat. Pellentesque sagittis ligula eget metus. \n" +
```

```
"Vestibulum commodo. Ut rhoncus gravida arcu. ")
```

```

class CopyrightProfile @JvmOverloads constructor(profileName: String? = null) : ExternalizableScheme,
BaseState(), SerializableScheme {
    // ugly name to preserve compatibility
    // must be not private because otherwise binding is not created for private accessor
    @get:OptionTag("myName")
    var profileName: String? by string()

    var notice: String? by string(DEFAULT_COPYRIGHT_NOTICE)
    var keyword: String? by string(EntityUtil.encode("Copyright"))
    var allowReplaceRegexp: String? by string()

    @Deprecated("use allowReplaceRegexp instead", ReplaceWith(""))
    var allowReplaceKeyword: String? by string()

    init {
        // otherwise will be as default value and name will be not serialized
        this.profileName = profileName
    }

    // ugly name to preserve compatibility
    @Transient
    @NlsSafe
    override fun getName(): String = profileName ?: ""

    override fun setName(value: String) {
        profileName = value
    }

    override fun toString(): String = profileName ?: ""

    override fun writeScheme(): Element {
        val element = Element("copyright")
        serializeObjectInto(this, element)
        return element
    }
}

```

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found in the LICENSE file.  
package com.jetbrains.python.copyright

```
import com.jetbrains.python.fixtures.PyTestCase
import com.maddyhome.idea.copyright.CopyrightProfile
import com.maddyhome.idea.copyright.psi.UpdateCopyrightFactory
import java.util.*
```

```
class PyCopyrightTest : PyTestCase() {
```

```
    fun testCopyright() {
        doTest("""def foo():
            pass
            """, """# Copyright ${year()}
# All rights reserved
```

```
def foo():
    pass
    """)
```

```

}

fun testCopyrightShebang() {
  doTest("""#!/usr/bin/env python

def foo():
  pass
  """ , """#!/usr/bin/env python

# Copyright ${year()}
# All rights reserved

def foo():
  pass
  """)
}

fun testCopyrightEncoding() {
  doTest("""# coding=utf-8

def foo():
  pass
  """ , """# coding=utf-8

# Copyright ${year()}
# All rights reserved

def foo():
  pass
  """)
}

fun testCopyrightShebangAndEncoding() {
  doTest("""#!/usr/bin/env python
# -*- coding: utf-8 -*-

def foo():
  pass
  """ , """#!/usr/bin/env python
# -*- coding: utf-8 -*-

# Copyright ${year()}
# All rights reserved

def foo():
  pass
  """)
}

```

```

}

fun testExistingCopyrightUpdate() {
    doTest("""# Copyright 2013
# All rights reserved

def foo():
    pass
    """, """# Copyright ${year()}
# All rights reserved

def foo():
    pass
    """)
}

private fun doTest(before: String, after: String) {
    myFixture.configureByText(getTestName(false) + ".py", before)
    updateCopyright()
    myFixture.checkResult(after)
}

private fun year(): Int = Calendar.getInstance().get(Calendar.YEAR)

@Throws(Exception::class)
private fun updateCopyright() {
    val options = CopyrightProfile()
    options.notice = "Copyright \\$today.year\\nAll rights reserved"
    options.keyword = "Copyright"
    options.allowReplaceRegexp = "Copyright"
    val updateCopyright = UpdateCopyrightFactory.createUpdateCopyright(myFixture.project, myFixture.module,
        myFixture.file, options)

    updateCopyright!!.prepare()
    updateCopyright.complete()
}

}
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```

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```
<?xml version="1.0" encoding="UTF-8"?>
<module relativePaths="true" type="JAVA_MODULE" version="4">
  <component name="NewModuleRootManager" inherit-compiler-output="true">
    <exclude-output />
    <content url="file://$MODULE_DIR$">
      <sourceFolder url="file://$MODULE_DIR$/src" isTestSource="false" />
      <sourceFolder url="file://$MODULE_DIR$/testSrc" isTestSource="true" />
      <sourceFolder url="file://$MODULE_DIR$/resources" type="java-resource" />
    </content>
    <orderEntry type="inheritedJdk" />
    <orderEntry type="sourceFolder" forTests="false" />
    <orderEntry type="module" module-name="intellij.xml" />
    <orderEntry type="module" module-name="intellij.platform.lang" />
    <orderEntry type="module" module-name="intellij.platform.lang.impl" />
    <orderEntry type="library" name="Velocity" level="project" />
    <orderEntry type="library" name="commons-collections" level="project" />
    <orderEntry type="module" module-name="intellij.xml.impl" />
    <orderEntry type="library" name="kotlin-stdlib" level="project" />
    <orderEntry type="library" name="kotlinx-coroutines-core" level="project" />
    <orderEntry type="module" module-name="intellij.platform.testExtensions" scope="TEST" />
    <orderEntry type="module" module-name="intellij.platform.testFramework" scope="TEST" />
    <orderEntry type="module" module-name="intellij.platform.configurationStore.impl" scope="TEST" />
    <orderEntry type="module" module-name="intellij.platform.externalSystem" />
    <orderEntry type="module" module-name="intellij.platform.vcs.impl" />
    <orderEntry type="module" module-name="intellij.platform.core.ui" />
    <orderEntry type="library" scope="TEST" name="JUnit5" level="project" />
    <orderEntry type="module" module-name="intellij.platform.util.jdom" />
  </component>
</module>
```

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```
package com.intellij.copyright
```

```
import com.intellij.spi.SPIFileType
import com.intellij.testFramework.fixtures.BasePlatformTestCase
import com.maddyhome.idea.copyright.CopyrightProfile
import com.maddyhome.idea.copyright.psi.UpdateCopyrightFactory
```

```
class SPICopyrightTest : BasePlatformTestCase() {
    fun testSPICopyright() {
        myFixture.configureByText(SPIFileType.INSTANCE,
            """
#
# Copyright empty
#
fully.qualified.name
""")
    }
}
```

```
    updateCopyright()
```

```
    myFixture.checkResult("""
#
# Copyright text
#
fully.qualified.name
""")
}

@Throws(Exception::class)
private fun updateCopyright() {
    val options = CopyrightProfile()
    options.notice = "Copyright text"
    options.keyword = "Copyright"
    val updateCopyright = UpdateCopyrightFactory.createUpdateCopyright(myFixture.project, myFixture.module,
  myFixture.file, options)

    updateCopyright!!.prepare()
    updateCopyright.complete()
}
}
```

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TextMate grammar:

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```
package org.jetbrains.kotlin.idea.completion.contributors
```

```
import com.intellij.codeInsight.completion.InsertHandler
import com.intellij.codeInsight.completion.InsertionContext
import com.intellij.codeInsight.lookup.LookupElement
import com.intellij.codeInsight.lookup.LookupElementBuilder
import org.jetbrains.kotlin.idea.base.codeInsight.KotlinIconProvider.getIconFor
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirTypeConstraintNameInWhereClausePositionContext
import org.jetbrains.kotlin.idea.completion.contributors.helpers.insertSymbolAndInvokeCompletion
import org.jetbrains.kotlin.idea.completion.lookups.KotlinLookupObject
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtSymbolWithTypeParameters
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.name.Name
import org.jetbrains.kotlin.renderer.render
```

```
internal class FirTypeParameterConstraintNameInWhereClauseCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int
) : FirCompletionContributorBase<FirTypeConstraintNameInWhereClausePositionContext>(basicContext, priority)
{

    override fun KtAnalysisSession.complete(
```

```

        positionContext: FirTypeConstraintNameInWhereClausePositionContext,
        weighingContext: WeighingContext
    ) {
        val ownerSymbol = positionContext.typeParametersOwner.getSymbol() as? KtSymbolWithTypeParameters ?
return
        ownerSymbol.typeParameters.forEach { typeParameter ->
            val name = typeParameter.name
            val icon = getIconFor(typeParameter)
            LookupElementBuilder.create(TypeParameterInWhenClauseILookupObject(name), name.asString())
                .withTailText(" : ")
                .withInsertHandler(TypeParameterInWhenClauseInsertionHandler)
                .withPsiElement(typeParameter.psi)
                .withIcon(icon)
                .let(sink::addElement)
        }
    }
}

```

```
private class TypeParameterInWhenClauseILookupObject(override val shortName: Name) : KotlinLookupObject
```

```
private object TypeParameterInWhenClauseInsertionHandler : InsertHandler<LookupElement> {
    override fun handleInsert(context: InsertionContext, item: LookupElement) {
        val lookupElement = item.`object` as TypeParameterInWhenClauseILookupObject
        val name = lookupElement.shortName.render()
        context.document.replaceString(context.startOffset, context.tailOffset, name)
        context.commitDocument()
        context.insertSymbolAndInvokeCompletion(symbol = " : ")
    }
}

```

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\*

\*/

/\* PRESENT 1 \*/

/\* PRESENT 2 \*/

// PRESENT 3

/\*\* PRESENT \*/

package/\* ABSENT 1 \*/ normal

/\* ABSENT 2 \*/

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@file:Suppress("ReplaceGetOrSet")

package com.maddyhome.idea.copyright.import

import com.intellij.copyright.CopyrightManager

import com.intellij.openapi.externalSystem.model.project.settings.ConfigurationData

import com.intellij.openapi.externalSystem.service.project.IdeModifiableModelsProvider

import com.intellij.openapi.externalSystem.service.project.settings.ConfigurationHandler

import com.intellij.openapi.project.Project

import com.maddyhome.idea.copyright.CopyrightProfile

private class CopyrightConfigurationHandler: ConfigurationHandler {

override fun apply(project: Project, modelsProvider: IdeModifiableModelsProvider, configuration: ConfigurationData) {

val cfgMap = configuration.find("copyright") as? Map<\*, \*> ?: return

val copyrightManager = CopyrightManager.getInstance(project)

val profilesMap = cfgMap.get("profiles") as? Map<\*, \*> ?: emptyMap<Any, Any>()

profilesMap.forEach { (key, value) ->

```

val name = key as? String ?: return@forEach
val profileConfig = value as? Map<*, *> ?: return@forEach

val profile = CopyrightProfile(name)
(profileConfig.get("notice") as? String)?.let { profile.notice = it }
(profileConfig.get("keyword") as? String)?.let { profile.keyword = it }
(profileConfig.get("allowReplaceRegex") as? String)?.let { profile.allowReplaceRegex = it }
copyrightManager.replaceCopyright(name, profile)
}

(cfgMap.get("useDefault") as? String)?.let { defaultName ->
copyrightManager.getCopyrights()
.find { cp -> cp.name == defaultName }
?.let { defaultProfile -> copyrightManager.defaultCopyright = defaultProfile }
}

(cfgMap.get("scopes") as? Map<*, *>)?.forEach { (key, value) ->
val scope = key as? String ?: return@forEach
val profileName = value as? String ?: return@forEach
copyrightManager.mapCopyright(scope, profileName)
}
}
}

```

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```
package com.intellij.copyright
```

```
import com.maddyhome.idea.copyright.pattern.DateInfo
import com.maddyhome.idea.copyright.pattern.VelocityHelper
import org.junit.jupiter.api.Assertions
import org.junit.jupiter.api.Test
```

```
class CommentInfoTest {
    val template = "Copyright (c) \${originalComment.match("\\(c\\) (\\d+)", 1, "-" - "\",
    "\${today.year}")}\${today.year}. " +
        "Lorem ipsum dolor sit amet, consectetur adipiscing elit. \n"

    @Test
    fun noComment() {
        val dateInfo = DateInfo().year
        Assertions.assertEquals("Copyright (c) $dateInfo. Lorem ipsum dolor sit amet, consectetur adipiscing elit. \n",
            VelocityHelper.evaluate (null, null, null, template, null))
    }

    @Test
    fun withAnotherComment() {
        val dateInfo = DateInfo().year
        Assertions.assertEquals("Copyright (c) $dateInfo. Lorem ipsum dolor sit amet, consectetur adipiscing elit. \n",
            VelocityHelper.evaluate (null, null, null, template,
```

```

        "Copyright (c). Lorem ipsum dolor sit amet, consectetur adipiscing elit. \n"))
    }

@Test
fun withComment() {
    val dateInfo = DateInfo().year
    Assertions.assertEquals("Copyright (c) 2020 - $dateInfo. Lorem ipsum dolor sit amet, consectetur adipiscing elit.
\n",
        VelocityHelper.evaluate (null, null, null, template,
            "Copyright (c) 2020. Lorem ipsum dolor sit amet, consectetur adipiscing elit. \n"))
    }

@Test
fun withCommentOldYears() {
    val dateInfo = DateInfo().year
    Assertions.assertEquals("Copyright (c) 2019 - $dateInfo. Lorem ipsum dolor sit amet, consectetur adipiscing elit.
\n",
        VelocityHelper.evaluate (null, null, null, template,
            "Copyright (c) 2019 - 2020. Lorem ipsum dolor sit amet, consectetur adipiscing elit.
\n"))
    }

@Test
fun withCommentSameYear() {
    val dateInfo = DateInfo().year
    Assertions.assertEquals("Copyright (c) $dateInfo. Lorem ipsum dolor sit amet, consectetur adipiscing elit. \n",
        VelocityHelper.evaluate (null, null, null, template,
            "Copyright (c) $dateInfo. Lorem ipsum dolor sit amet, consectetur adipiscing elit.
\n"))
    }
}

```

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```

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```
package org.jetbrains.kotlin.idea.completion.contributors
```

```
import com.intellij.codeInsight.lookup.LookupElement
import com.intellij.openapi.module.Module
import com.intellij.psi.PsiElement
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.idea.base.projectStructure.languageVersionSettings
import org.jetbrains.kotlin.util.Match
import org.jetbrains.kotlin.idea.completion.KeywordCompletion
import org.jetbrains.kotlin.idea.completion.context.*
import org.jetbrains.kotlin.idea.completion.contributors.keywords.OverrideKeywordHandler
import org.jetbrains.kotlin.idea.completion.contributors.keywords.ReturnKeywordHandler
import org.jetbrains.kotlin.idea.completion.contributors.keywords.SuperKeywordHandler
import org.jetbrains.kotlin.idea.completion.contributors.keywords.ThisKeywordHandler
import org.jetbrains.kotlin.idea.completion.implCommon.keywords.BreakContinueKeywordHandler
import org.jetbrains.kotlin.idea.completion.keywords.CompletionKeywordHandlerProvider
import org.jetbrains.kotlin.idea.completion.keywords.CompletionKeywordHandlers
import org.jetbrains.kotlin.idea.completion.keywords.DefaultCompletionKeywordHandlerProvider
import org.jetbrains.kotlin.idea.completion.keywords.createLookups
import org.jetbrains.kotlin.idea.completion.weighers.Weighers
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.lexer.KtTokens
import org.jetbrains.kotlin.platform.jvm.isJvm
import org.jetbrains.kotlin.psi.KtContainerNode
```

```

import org.jetbrains.kotlin.psi.KtExpression
import org.jetbrains.kotlin.psi.KtExpressionWithLabel
import org.jetbrains.kotlin.psi.KtLabelReferenceExpression
import org.jetbrains.kotlin.psi.psiUtil.parentsWithSelf

internal class FirKeywordCompletionContributor(basicContext: FirBasicCompletionContext, priority: Int) :
    FirCompletionContributorBase<FirRawPositionCompletionContext>(basicContext, priority) {
    private val keywordCompletion = KeywordCompletion(object :
        KeywordCompletion.LanguageVersionSettingProvider {
            override fun getLanguageVersionSetting(element: PsiElement) = element.languageVersionSettings
            override fun getLanguageVersionSetting(module: Module) = module.languageVersionSettings
        })

    private val resolveDependentCompletionKeywordHandlers =
        ResolveDependentCompletionKeywordHandlerProvider(basicContext)

    override fun KtAnalysisSession.complete(positionContext: FirRawPositionCompletionContext, weighingContext:
        WeighingContext) {
        val expression = when (positionContext) {
            is FirNameReferencePositionContext -> positionContext.reference.expression.let {
                it.parentsWithSelf.match(KtLabelReferenceExpression::class, KtContainerNode::class, last =
                    KtExpressionWithLabel::class)
                    ?: it
            }
            is FirTypeConstraintNameInWhereClausePositionContext, is FirIncorrectPositionContext, is
                FirClassifierNamePositionContext ->
                error("keyword completion should not be called for ${positionContext::class.simpleName}")
            is FirValueParameterPositionContext,
            is FirMemberDeclarationExpectedPositionContext,
            is FirUnknownPositionContext -> null
        }
        completeWithResolve(expression ?: positionContext.position, expression, weighingContext)
    }

    private fun KtAnalysisSession.completeWithResolve(position: PsiElement, expression: KtExpression?,
        weighingContext: WeighingContext) {
        complete(position) { lookupElement, keyword ->
            val lookups = DefaultCompletionKeywordHandlerProvider.getHandlerForKeyword(keyword)
                ?.createLookups(parameters, expression, lookupElement, project)
                ?: resolveDependentCompletionKeywordHandlers.getHandlerForKeyword(keyword)?.run {
                    createLookups(parameters, expression, lookupElement, project)
                }
            ?: listOf(lookupElement)
            lookups.forEach { Weighers.applyWeighsToLookupElement(weighingContext, it, symbolWithOrigin = null)
        }
        sink.addAllElements(lookups)
    }
}

```

```

}

private inline fun complete(position: PsiElement, crossinline complete: (LookupElement, String) -> Unit) {
    keywordCompletion.complete(position, prefixMatcher, targetPlatform.isJvm()) { lookupElement ->
        val keyword = lookupElement.lookupString
        complete(lookupElement, keyword)
    }
}
}
}

```

```

private class ResolveDependentCompletionKeywordHandlerProvider(
    basicContext: FirBasicCompletionContext
) : CompletionKeywordHandlerProvider<KtAnalysisSession>() {
    override val handlers = CompletionKeywordHandlers(
        ReturnKeywordHandler,
        BreakContinueKeywordHandler(KtTokens.CONTINUE_KEYWORD),
        BreakContinueKeywordHandler(KtTokens.BREAK_KEYWORD),
        OverrideKeywordHandler(basicContext),
        ThisKeywordHandler(basicContext),
        SuperKeywordHandler,
    )
}

```

Maven Dependency Tree

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```

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```

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package org.jetbrains.kotlin.idea.completion.contributors.helpers

```
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.components.KtExtensionApplicabilityResult
import org.jetbrains.kotlin.analysis.api.components.KtExtensionApplicabilityResult.ApplicableAsExtensionCallable
import
org.jetbrains.kotlin.analysis.api.components.KtExtensionApplicabilityResult.ApplicableAsFunctionalVariableCall
import org.jetbrains.kotlin.analysis.api.components.KtScopeKind
import org.jetbrains.kotlin.analysis.api.signatures.KtCallableSignature
import org.jetbrains.kotlin.analysis.api.signatures.KtFunctionLikeSignature
import org.jetbrains.kotlin.analysis.api.signatures.KtVariableLikeSignature
import org.jetbrains.kotlin.analysis.api.symbols.KtCallableSymbol
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtNamedSymbol
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtSymbolKind
import org.jetbrains.kotlin.analysis.api.types.KtFunctionalType
import org.jetbrains.kotlin.analysis.api.types.KtType
import org.jetbrains.kotlin.idea.completion.checkers.ApplicableExtension
import org.jetbrains.kotlin.idea.completion.lookups.CallableInsertionOptions
import org.jetbrains.kotlin.idea.completion.lookups.CallableInsertionStrategy
import org.jetbrains.kotlin.idea.completion.lookups.ImportStrategy
import org.jetbrains.kotlin.name.ClassId
import org.jetbrains.kotlin.name.FqName
import org.jetbrains.kotlin.name.Name

internal class ShadowedCallablesFilter {
    private val processedSignatures: MutableMap<SimplifiedSignature, CompletionSymbolOrigin> =
mutableMapOf()

    context(KtAnalysisSession)
    fun excludeFromCompletion(
        callable: KtCallableSignature<*>,
        insertionOptions: CallableInsertionOptions,
        symbolOrigin: CompletionSymbolOrigin,
    ): Boolean {
        val (importingStrategy, insertionStrategy) = insertionOptions

        val isVariableCall = callable is KtVariableLikeSignature<*> && insertionStrategy is
CallableInsertionStrategy.AsCall
```

```

return when (importingStrategy) {
    is ImportStrategy.DoNothing -> processSignature(callable, symbolOrigin, considerContainer = false,
isVariableCall)

    is ImportStrategy.AddImport -> { // `AddImport` doesn't necessarily mean that import is required and will be
eventually inserted
        val simplifiedSignature = SimplifiedSignature.create(callable, considerContainer = false, isVariableCall) ?:
return false

        when (val shadowingCallableOrigin = processedSignatures[simplifiedSignature]) {
            // no callable with unspecified container shadows current callable
            null -> {
                // if origin is `Index` and there is no shadowing callable, import is required and container needs to be
considered
                val considerContainer = symbolOrigin is CompletionSymbolOrigin.Index
                processSignature(callable, symbolOrigin, considerContainer, isVariableCall)
            }

            else -> {
                if (symbolOrigin !is CompletionSymbolOrigin.Index) return true

                // if the callable which shadows target callable belongs to the scope with priority lower than the
priority of
                // explicit simple importing scope, then it won't shadow target callable after import is inserted
                when ((shadowingCallableOrigin as? CompletionSymbolOrigin.Scope)?.kind) {
                    is KtScopeKind.PackageMemberScope,
                    is KtScopeKind.DefaultSimpleImportingScope,
                    is KtScopeKind.ExplicitStarImportingScope,
                    is KtScopeKind.DefaultStarImportingScope -> {
                        processSignature(callable, symbolOrigin, considerContainer = true, isVariableCall)
                    }

                    else -> true
                }
            }
        }

        is ImportStrategy.InsertFqNameAndShorten -> processSignature(callable, symbolOrigin, considerContainer
= true, isVariableCall)
    }
}

context(KtAnalysisSession)
private fun processSignature(
    callable: KtCallableSignature<*>,
    symbolOrigin: CompletionSymbolOrigin,
    considerContainer: Boolean,

```

```

isVariableCall: Boolean
): Boolean {
    val simplifiedSignature = SimplifiedSignature.create(callable, considerContainer, isVariableCall) ?: return false
    if (simplifiedSignature in processedSignatures) return true

    processedSignatures[simplifiedSignature] = symbolOrigin
    return false
}

companion object {
    /**
     * If several extensions differ in receiver type only, then only one of them can be called without explicit cast.
     * Other extensions
     * are expected to be filtered out by [ShadowedCallablesFilter]. For this to be done correctly, extensions need to
     * be sorted by
     * their receiver type. Each extension corresponds to a receiver from the context, so extensions are sorted by:
     *
     * 1. The index of corresponding receiver from the context: if an extension corresponds to the last receiver, it
     * can be shadowed
     * by an extension corresponding to the first receiver.
     * 2. The closeness of extension receiver type to the type of corresponding receiver in class hierarchy: if the
     * receiver type of
     * extension is `Any`, it can be shadowed by an extension with more specific type.
     *
     * Also, extensions are sorted by their kind: a function variable can be shadowed by an extension function.
     */
    context(KtAnalysisSession)
    fun sortExtensions(
        extensions: Collection<ApplicableExtension>,
        receiversFromContext: List<KtType>
    ): Collection<ApplicableExtension> {
        val indexOfReceiverFromContext = mutableMapOf<ReceiverId, Int>()
        val indexInClassHierarchy = mutableMapOf<ReceiverId, Int>()

        for ((receiverFromContextIndex, receiverFromContextType) in receiversFromContext.withIndex()) {
            val selfWithSuperTypes = listOf(receiverFromContextType) +
receiverFromContextType.getAllSuperTypes()
            for ((superTypeIndex, superType) in selfWithSuperTypes.withIndex()) {
                val receiverId = ReceiverId.create(superType) ?: continue

                indexOfReceiverFromContext.putIfAbsent(receiverId, receiverFromContextIndex)
                indexInClassHierarchy.putIfAbsent(receiverId, superTypeIndex)
            }
        }

        return extensions
            .map { applicableExtension ->
                val (signature, applicabilityResult) = applicableExtension

```

```

        val receiverType = when (applicabilityResult) {
            is ApplicableAsExtensionCallable -> signature.receiverType
            is ApplicableAsFunctionalVariableCall -> (signature.returnType as?
KtFunctionalType)?.receiverType
        }
        val receiverId = receiverType?.let { ReceiverId.create(it) }
        applicableExtension to receiverId
    }
    .sortedWith(compareBy(
        { (_, receiverId) -> indexOfReceiverFromContext[receiverId] ?: Int.MAX_VALUE },
        { (_, receiverId) -> indexInClassHierarchy[receiverId] ?: Int.MAX_VALUE },
        { (applicableExtension, _) -> applicableExtension.applicabilityResult is
ApplicableAsFunctionalVariableCall }
    ))
    .map { (applicableExtension, _) -> applicableExtension }
}

```

```

private sealed class ReceiverId {
    private data class ClassIdForNonLocal(val classId: ClassId): ReceiverId()
    private data class NameForLocal(val name: Name): ReceiverId()

    companion object {
        context(KtAnalysisSession)
        fun create(type: KtType): ReceiverId? {
            val expandedClassSymbol = type.expandedClassSymbol ?: return null
            val name = expandedClassSymbol.name ?: return null

            return when (val classId = expandedClassSymbol.classIdIfNonLocal) {
                null -> NameForLocal(name)
                else -> ClassIdForNonLocal(classId)
            }
        }
    }
}

```

```

private sealed class SimplifiedSignature {
    abstract val name: Name

    /**
     * Container name is:
     * * [FqName] of package if the callable is a top-level declaration
     * * [FqName] of class if the callable is a non-local static member
     * * `null` otherwise
     *
     * Container name should be considered in the following cases:
    */
}

```

```

* * the fully qualified name of the callable can be inserted
* * the callable requires import and isn't expected to be shadowed by any callables from scope
*/
abstract val containerFqName: FqName?

companion object {
    context(KtAnalysisSession)
    fun create(callableSignature: KtCallableSignature<*>, considerContainer: Boolean, isVariableCall: Boolean):
SimplifiedSignature? {
        val symbol = callableSignature.symbol
        if (symbol !is KtNamedSymbol) return null

        val containerFqName = if (considerContainer) symbol.getContainerFqName() else null

        return when (callableSignature) {
            is KtVariableLikeSignature<*> -> createSimplifiedSignature(callableSignature, isVariableCall,
containerFqName)
            is KtFunctionLikeSignature<*> -> FunctionLikeSimplifiedSignature(
                symbol.name,
                containerFqName,
                typeParametersCount = callableSignature.symbol.typeParameters.size,
                callableSignature.valueParameters.map { it.returnType },
                callableSignature.valueParameters.mapIndexedNotNull { index, parameter -> index.takeIf {
parameter.symbol.isVararg } },
            )
        }
    }

    context(KtAnalysisSession)
    private fun createSimplifiedSignature(
        signature: KtVariableLikeSignature<*>,
        isFunctionalVariableCall: Boolean,
        containerFqName: FqName?,
    ): SimplifiedSignature = when {
        isFunctionalVariableCall -> {
            val functionalType = signature.returnType as? KtFunctionalType ?: error("Unexpected
${signature.returnType::class}")
            FunctionLikeSimplifiedSignature(
                signature.name,
                containerFqName,
                typeParametersCount = 0,
                functionalType.parameterTypes,
                varargValueParameterIndices = emptyList()
            )
        }
        else -> VariableLikeSimplifiedSignature(signature.name, containerFqName)
    }
}

```

```

context(KtAnalysisSession)
private fun KtCallableSymbol.getContainerFqName(): FqName? {
    val callableId = callableIdIfNonLocal ?: return null
    return when (symbolKind) {
        // if a callable is in the root package, then its fully-qualified name coincides with short name
        KtSymbolKind.TOP_LEVEL -> callableId.packageName.takeIf { !it.isRoot }
        KtSymbolKind.CLASS_MEMBER -> {
            val classId = callableId.classId ?: return null
            val classKind = getClassOrObjectSymbolByClassId(classId)?.classKind

            classId.asSingleFqName().takeIf { classKind?.isObject == true }
        }
        else -> null
    }
}

```

```

private data class VariableLikeSimplifiedSignature(
    override val name: Name,
    override val containerFqName: FqName?,
) : SimplifiedSignature()

```

```

private data class FunctionLikeSimplifiedSignature(
    override val name: Name,
    override val containerFqName: FqName?,
    val typeParametersCount: Int,
    val valueParameterTypes: List<KtType>,
    val varargValueParameterIndices: List<Int>,
) : SimplifiedSignature()

```

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For more information see the README file in the examples directory.

Directory native/fdlibm

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The upstream for fdlibm is libgcj (<http://gcc.gnu.org/java/>), they sync again with the 'real' upstream (<http://www.netlib.org/fdlibm/readme>).

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David Megginson, sax@megginson.com  
1998-05-11

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package com.jetbrains.python.copyright

```
import com.intellij.openapi.fileTypes.FileType
import com.intellij.openapi.module.Module
import com.intellij.openapi.project.Project
import com.intellij.openapi.vfs.VirtualFile
import com.intellij.psi.PsiComment
import com.intellij.psi.PsiElement
import com.intellij.psi.util.PsiTreeUtil
import com.jetbrains.python.psi.PyFile
```

```

import com.maddyhome.idea.copyright.CopyrightProfile
import com.maddyhome.idea.copyright.options.LanguageOptions
import com.maddyhome.idea.copyright.psi.UpdateCopyright
import com.maddyhome.idea.copyright.psi.UpdateCopyrightsProvider
import com.maddyhome.idea.copyright.psi.UpdatePsiFileCopyright
import java.util.function.Predicate
import java.util.regex.Pattern

class PyUpdateCopyrightsProvider : UpdateCopyrightsProvider() {
    override fun createInstance(project: Project,
                                module: Module?,
                                file: VirtualFile,
                                base: FileType?,
                                options: CopyrightProfile?): UpdateCopyright = PyUpdateFileCopyright(project, module, file,
options)

    override fun getDefaultOptions(): LanguageOptions {
        val options = super.getDefaultOptions()
        options.block = false
        options.fileTypeOverride = LanguageOptions.USE_TEXT
        return options
    }
}

class PyUpdateFileCopyright(project: Project, module: Module?, root: VirtualFile, options: CopyrightProfile?) :
UpdatePsiFileCopyright(
    project, module, root, options) {

    override fun accept() = file is PyFile

    override fun scanFile() {
        val f = file as PyFile

        val first = if (f.firstChild != null) first(f) else f

        for (block in arrayOf(f.importBlock, f.topLevelClasses, f.topLevelAttributes, f.topLevelFunctions)) {
            if (block.size > 0) {
                checkComments(first, block.first(), true)
                return
            }
        }

        checkComments(first, f, true)
    }

    private fun first(file: PyFile): PsiElement = coding(shebang(file.firstChild))

```

```

private fun isShebangComment(element: PsiElement) = element is PsiComment && element.text.startsWith("#!")

private fun shebang(element: PsiElement) = if (isShebangComment(element)) {
    skipWhitespaceForwardNotNull(element.nextSibling)
}
else {
    element
}

private fun skipWhitespaceForwardNotNull(e: PsiElement): PsiElement {
    return PsiTreeUtil.skipWhitespacesForward(e) ?: e
}

private val ENCODING_PATTERN: Predicate<String> = Pattern.compile("^[ \\t\\f]*#.*?coding[:=][ \\t]*([-_a-zA-Z0-9]+)").asPredicate()

private fun isEncodingComment(element: PsiElement) = element is PsiComment &&
ENCODING_PATTERN.test(element.text)

private fun coding(element: PsiElement) = if (isEncodingComment(element)) {
    skipWhitespaceForwardNotNull(element.nextSibling)
}
else {
    element
}
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package org.jetbrains.kotlin.idea.completion.contributors

import com.intellij.codeInsight.lookup.LookupElementBuilder
import com.intellij.openapi.progress.ProgressManager
import com.intellij.psi.PsiElement
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.symbols.*
import org.jetbrains.kotlin.analysis.api.types.KtType
import org.jetbrains.kotlin.idea.completion.ItemPriority
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirRawPositionCompletionContext

```

```

import org.jetbrains.kotlin.idea.completion.priority
import org.jetbrains.kotlin.idea.completion.referenceScope
import org.jetbrains.kotlin.idea.completion.suppressAutoInsertion
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.psi.*
import org.jetbrains.kotlin.psi.psiUtil.forEachDescendantOfType
import org.jetbrains.kotlin.psi.psiUtil.startOffset

/**
 * Complete names of a completion by name of unresolved references in the code. For example
 * ...
 * val unr<caret>
 * println(unresolvedVar)
 * ...
 * This contributor would contribute `unresolvedVar` at caret position above.
 */
internal class FirDeclarationFromUnresolvedNameContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int,
) : FirCompletionContributorBase<FirRawPositionCompletionContext>(basicContext, priority) {
    override fun KtAnalysisSession.complete(positionContext: FirRawPositionCompletionContext, weighingContext: WeighingContext) {
        val declaration = positionContext.position.getCurrentDeclarationAtCaret() ?: return
        val referenceScope = referenceScope(declaration) ?: return

        referenceScope.forEachDescendantOfType<KtNameReferenceExpression> { refExpr ->
            ProgressManager.checkCanceled()
            processReference(referenceScope, declaration, refExpr)
        }
    }

    private fun KtAnalysisSession.processReference(
        referenceScope: KtElement,
        currentDeclarationInFakeFile: KtNamedDeclaration,
        unresolvedRef: KtNameReferenceExpression
    ) {
        // In a block, references must be after the declaration. Therefore, we only offer completion for unresolved names
        // that appear after
        // the current cursor position.
        if (referenceScope is KtBlockExpression && unresolvedRef.startOffset < parameters.offset) {
            return
        }
        val name = unresolvedRef.getReferencedName()
        if (!prefixMatcher.prefixMatches(name)) return
        if (!shouldOfferCompletion(unresolvedRef, currentDeclarationInFakeFile)) return
        if (unresolvedRef.reference?.resolve() == null) {
            val lookupElement = LookupElementBuilder.create(name).suppressAutoInsertion()
                .also { it.priority = ItemPriority.FROM_UNRESOLVED_NAME_SUGGESTION }

```

```

        sink.addElement(lookupElement)
    }
}

private fun KtAnalysisSession.shouldOfferCompletion(
    unresolvedRef: KtNameReferenceExpression,
    currentDeclarationInFakeFile: KtNamedDeclaration
): Boolean {
    val refExprParent = unresolvedRef.parent
    val receiver = if (refExprParent is KtCallExpression) {
        refExprParent.getReceiverForSelector()
    } else {
        unresolvedRef.getReceiverForSelector()
    }
    return when (val symbol = currentDeclarationInFakeFile.getSymbol()) {
        is KtCallableSymbol -> when {
            refExprParent is KtUserType -> false

            // If current declaration is a function, we only offer names of unresolved function calls. For property
            // declarations, we
            // always offer an unresolved usage because a property may be called if the object has an `invoke` method.
            refExprParent !is KtCallableReferenceExpression && refExprParent !is KtCallExpression && symbol is
            KtFunctionLikeSymbol -> false

            receiver != null -> {
                val actualReceiverType = receiver.getKtType() ?: return false
                val expectedReceiverType = getReceiverType(symbol) ?: return false

                // FIXME: this check does not work with generic types (i.e. List<String> and List<T>)
                actualReceiverType isSubTypeOf expectedReceiverType
            }
        }
        else -> {
            // If there is no explicit receiver at call-site, we check if any implicit receiver at call-site matches the
            extension
            // receiver type for the current declared symbol
            val extensionReceiverType = symbol.receiverType ?: return true
            getImplicitReceiverTypesAtPosition(unresolvedRef).any { it isSubTypeOf extensionReceiverType }
        }
    }
    is KtClassOrObjectSymbol -> when {
        receiver != null -> false
        refExprParent is KtUserType -> true
        refExprParent is KtCallExpression -> symbol.classKind == KtClassKind.CLASS
        else -> symbol.classKind == KtClassKind.OBJECT
    }
    else -> false
}
}
}

```

```

private fun PsiElement.getReceiverForSelector(): KtExpression? {
    val qualifiedExpression = (parent as? KtDotQualifiedExpression)?.takeIf { it.selectorExpression == this } ?:
return null
    return qualifiedExpression.receiverExpression
}

private fun KtAnalysisSession.getReceiverType(symbol: KtCallableSymbol): KtType? {
    return symbol.receiverType ?: (symbol as? KtCallableSymbol)?.getDispatchReceiverType()
}

private fun PsiElement.getCurrentDeclarationAtCaret(): KtNamedDeclaration? {
    return when (val parent = parent) {
        is KtNamedDeclaration -> parent
        is KtNameReferenceExpression -> {
            // In a fake completion file, a property or function under construction is appended with placeholder text
            "X.f$", which is
            // parsed as a type reference. For example, if the original file has the following content,
            //
            // ```
            // val myProp<caret>
            // ```
            //
            // the fake file would then contain
            //
            // ```
            // val myPropX.f$
            // ```
            //
            // In this case, the Kotlin PSI parser treats `myPropX` as the receiver type reference for an extension
property.
            // See
org.jetbrains.kotlin.idea.completion.CompletionDummyIdentifierProviderService#specialExtensionReceiverDumm
yIdentifier
            // for more details.
            val userType = parent.parent as? KtUserType ?: return null
            val typeRef = userType.parent as? KtTypeReference ?: return null
            val callable = (typeRef.parent as? KtCallableDeclaration)?.takeIf { it.receiverTypeReference == typeRef }
?: return null
            callable
        }
        else -> null
    }
}
}
}
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```

```

package org.jetbrains.kotlin.idea.completion.contributors

import com.intellij.codeInsight.completion.PrefixMatcher
import com.intellij.codeInsight.completion.impl.CamelHumpMatcher
import com.intellij.codeInsight.lookup.LookupElement
import com.intellij.openapi.progress.ProgressManager
import com.intellij.openapi.util.text.StringUtil
import com.intellij.psi.codeStyle.NameUtil
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.KtStarTypeProjection
import org.jetbrains.kotlin.analysis.api.KtTypeArgumentWithVariance
import org.jetbrains.kotlin.analysis.api.components.KtScopeContext
import org.jetbrains.kotlin.analysis.api.components.KtScopeKind
import org.jetbrains.kotlin.analysis.api.scopes.KtScope
import org.jetbrains.kotlin.analysis.api.symbols.KtClassLikeSymbol
import org.jetbrains.kotlin.analysis.api.symbols.KtClassOrObjectSymbol
import org.jetbrains.kotlin.analysis.api.symbols.KtClassifierSymbol
import org.jetbrains.kotlin.analysis.api.symbols.KtTypeParameterSymbol
import org.jetbrains.kotlin.analysis.api.types.KtFunctionalType
import org.jetbrains.kotlin.analysis.api.types.KtType
import org.jetbrains.kotlin.analysis.api.types.KtTypeParameterType
import org.jetbrains.kotlin.analysis.api.types.KtUsualClassType
import org.jetbrains.kotlin.idea.completion.*
import org.jetbrains.kotlin.idea.completion.checkers.CompletionVisibilityChecker
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirRawPositionCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirTypeNameReferencePositionContext
import org.jetbrains.kotlin.idea.completion.context.FirValueParameterPositionContext
import org.jetbrains.kotlin.idea.completion.contributors.helpers.CompletionSymbolOrigin
import
org.jetbrains.kotlin.idea.completion.contributors.helpers.FirClassifierProvider.getAvailableClassifiersFromIndex
import org.jetbrains.kotlin.idea.completion.contributors.helpers.KtSymbolWithOrigin
import org.jetbrains.kotlin.idea.completion.impl.k2.lookups.factories.TypeLookupObject
import
org.jetbrains.kotlin.idea.completion.weighers.VariableOrParameterNameWithTypeWeigher.nameWithTypePriority
import org.jetbrains.kotlin.idea.completion.weighers.Weighers.applyWeightsToLookupElement
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.idea.core.FirKotlinNameSuggester
import org.jetbrains.kotlin.lexer.KtTokens
import org.jetbrains.kotlin.psi.*
import org.jetbrains.kotlin.psi.psiUtil.collectDescendantsOfType

internal class FirVariableOrParameterNameWithTypeCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int
) : FirCompletionContributorBase<FirRawPositionCompletionContext>(basicContext, priority) {

    private val nameFiltersWithUserPrefixes: List<Pair<NameFilter, String>> = getNameFiltersWithUserPrefixes()

```

```

override fun KtAnalysisSession.complete(positionContext: FirRawPositionCompletionContext, weighingContext:
WeighingContext) {
    val variableOrParameter: KtCallableDeclaration = when (positionContext) {
        is FirValueParameterPositionContext -> positionContext.ktParameter.takeIf {
NameWithTypeCompletion.shouldCompleteParameter(it) }
        is FirTypeNameReferencePositionContext ->
            positionContext.typeReference?.let { getDeclarationFromReceiverTypeReference(it) } as? KtProperty

        else -> null
    } ?: return

    sink.restartCompletionOnPrefixChange(NameWithTypeCompletion.prefixEndsWithUppercaseLetterPattern)

    val visibilityChecker = CompletionVisibilityChecker.create(basicContext, positionContext)
    val lookupNamesAdded = mutableSetOf<String>()
    val scopeContext = originalKtFile.getScopeContextForPosition(variableOrParameter)

    completeFromParametersInFile(variableOrParameter, visibilityChecker, lookupNamesAdded, scopeContext)
    completeClassesFromScopeContext(variableOrParameter, visibilityChecker, lookupNamesAdded,
scopeContext, weighingContext)
    completeClassesFromIndices(variableOrParameter, visibilityChecker, lookupNamesAdded, weighingContext)
}

private fun KtAnalysisSession.completeFromParametersInFile(
    variableOrParameter: KtCallableDeclaration,
    visibilityChecker: CompletionVisibilityChecker,
    lookupNamesAdded: MutableSet<String>,
    scopeContext: KtScopeContext
) {
    val typeParametersScope = scopeContext.getCompositeScope { it is KtScopeKind.TypeParameterScope }
    val availableTypeParameters = getAvailableTypeParameters(typeParametersScope).toSet()

    val parametersInFile = variableOrParameter.containingFile.collectDescendantsOfType<KtParameter>(
        // for performance reasons don't go inside expressions except declarations (parameters of local functions,
        // which are declared in body block expressions, will be skipped)
        canGoInside = { it !is KtExpression || it is KtDeclaration }
    ) { parameter -> parameter.name != null && variableOrParameter != parameter &&
prefixMatcher.isStartMatch(parameter.name) }

    val lookupElementsWithNames: List<Pair<LookupElement, String>> = parametersInFile.mapNotNull {
parameter ->
    ProgressManager.checkCanceled()

    val name = parameter.name
    if (name == null || variableOrParameter == parameter || !prefixMatcher.isStartMatch(name))
return@mapNotNull null

```

```

    val type = parameter.getReturnKtType()
    if (typeIsVisible(type, visibilityChecker, availableTypeParameters)) {

        val typeLookupElement = with(lookupElementFactory) { createTypeLookupElement(type) } ?:
return@mapNotNull null
        val lookupElement = createLookupElement(variableOrParameter, name, typeLookupElement)

        lookupElement to name
    } else {
        null
    }
}

for ((lookupElementWithName, count) in lookupElementsWithNames.groupingBy { it }.eachCount()) {
    val (lookupElement, name) = lookupElementWithName

    if (!shouldInsertType(variableOrParameter) && lookupNamesAdded.contains(name)) continue

    lookupElement.nameWithTypePriority = -count // suggestions that appear more often than others get higher
priority
    sink.addElement(lookupElement)
    lookupNamesAdded.add(name)
}

private fun KtAnalysisSession.completeClassesFromScopeContext(
    variableOrParameter: KtCallableDeclaration,
    visibilityChecker: CompletionVisibilityChecker,
    lookupNamesAdded: MutableSet<String>,
    scopeContext: KtScopeContext,
    weighingContext: WeighingContext
) {
    for (scopeWithKind in scopeContext.scopes) {
        for ((nameFilter, userPrefix) in nameFiltersWithUserPrefixes) {
            scopeWithKind.scope.getClassifierSymbols(nameFilter).filter { visibilityChecker.isVisible(it) }.forEach {
classifier ->
                val symbolOrigin = CompletionSymbolOrigin.Scope(scopeWithKind.kind)
                addSuggestions(variableOrParameter, classifier, userPrefix, lookupNamesAdded, weighingContext,
symbolOrigin)
            }
        }
    }
}

private fun KtAnalysisSession.completeClassesFromIndices(
    variableOrParameter: KtCallableDeclaration,
    visibilityChecker: CompletionVisibilityChecker,

```

```

lookupNamesAdded: MutableSet<String>,
weighingContext: WeighingContext
) {
    for ((nameFilter, userPrefix) in nameFiltersWithUserPrefixes) {
        getAvailableClassifiersFromIndex(symbolFromIndexProvider, nameFilter, visibilityChecker).forEach {
classifier ->
            val symbolOrigin = CompletionSymbolOrigin.Index
            addSuggestions(variableOrParameter, classifier, userPrefix, lookupNamesAdded, weighingContext,
symbolOrigin)
        }
    }
}

private fun KtAnalysisSession.addSuggestions(
    variableOrParameter: KtCallableDeclaration,
    symbol: KtClassifierSymbol,
    userPrefix: String,
    lookupNamesAdded: MutableSet<String>,
    weighingContext: WeighingContext,
    symbolOrigin: CompletionSymbolOrigin,
) {
    ProgressManager.checkCanceled()

    if (symbol is KtClassOrObjectSymbol && symbol.classKind.isObject) return

    val shortNameString = when (symbol) {
        is KtTypeParameterSymbol -> symbol.name.asString()
        is KtClassLikeSymbol -> symbol.name?.asString()
    } ?: return

    val typeLookupElement = with(lookupElementFactory) { createTypeLookupElement(symbol) } ?: return

    val nameSuggestions = FirKotlinNameSuggester.getCamelNames(
        shortNameString,
        validator = { true },
        startLowerCase = userPrefix.isEmpty()
    )

    for (nameSuggestion in nameSuggestions) {
        val name = userPrefix + nameSuggestion

        if (!prefixMatcher.isStartMatch(name)) continue

        if (!shouldInsertType(variableOrParameter) && lookupNamesAdded.contains(name)) continue

        val lookupElement = createLookupElement(variableOrParameter, name, typeLookupElement)
        lookupElement.nameWithTypePriority = userPrefix.length // suggestions with longer user prefix get lower
priority

```

```

        applyWeightsToLookupElement(weighingContext, lookupElement, KtSymbolWithOrigin(symbol,
symbolOrigin))

        sink.addElement(lookupElement)
        lookupNamesAdded.add(name)
    }
}

private fun createLookupElement(variableOrParameter: KtCallableDeclaration, name: String, typeLookup:
LookupElement): LookupElement {
    val fqRenderedType = (typeLookup.`object` as TypeLookupObject).fqRenderedType
    val lookupElement = NameWithTypeLookupElementDecorator(name, fqRenderedType, typeLookup,
shouldInsertType(variableOrParameter))

    val isLateinitVar = (variableOrParameter as? KtProperty)?.hasModifier(KtTokens.LATEINIT_KEYWORD) ==
true
    if (!isLateinitVar) {
lookupElement.putUserData(KotlinCompletionCharFilter.SUPPRESS_ITEM_SELECTION_BY_CHARS_ON_TYPING, Unit)
    }
    lookupElement.putUserData(KotlinCompletionCharFilter.HIDE_LOOKUP_ON_COLON, Unit)

    return lookupElement.suppressAutoInsertion()
}

private fun shouldInsertType(variableOrParameter: KtCallableDeclaration): Boolean = when
(variableOrParameter) {
    is KtParameter -> true
    is KtProperty -> variableOrParameter.hasModifier(KtTokens.LATEINIT_KEYWORD)
    else -> error("Declaration must be KtParameter or KtProperty.")
}

/**
 * Generates all possible partitions of original prefix into user prefix and prefix for matcher, for example,
 * prefix `fooBarBaz` produces three pairs:
 * - ("", "FooBarBaz")
 * - ("foo", "BarBaz")
 * - ("fooBar", "Baz")
 *
 * where the first component is a user prefix and the second one is a prefix for matcher.
 * The second prefix is then used to create a matcher.
 */
private fun getMatchersWithUserPrefixes(): List<Pair<PrefixMatcher, String>> {
    val prefix = prefixMatcher.prefix
    val prefixWords = if (StringUtil.isCapitalized(prefix)) emptyArray() else
NameUtil.splitNameIntoWords(prefix)

    return prefixWords.indices.map { index ->

```

```

    val userPrefix = prefixWords.take(index).joinToString("")
    val classNamePrefix = prefixWords.drop(index).joinToString("")
    val classNamePrefixMatcher = CamelHumpMatcher(StringUtil.capitalize(classNamePrefix), false)

    classNamePrefixMatcher to userPrefix
}
}

private fun getNameFiltersWithUserPrefixes(): List<Pair<NameFilter, String>> {
    val matchersWithUserPrefixes = getMatchersWithUserPrefixes()

    return matchersWithUserPrefixes.mapIndexed { index, matcherWithUserPrefix ->
        val (matcher, userPrefix) = matcherWithUserPrefix
        val nameFilter = if (index == 0) {
            matcher.asNameFilter()
        } else {
            // don't add suggestions for the same type with longer user prefix
            val (prevMatcher, _) = matchersWithUserPrefixes[index - 1]
            matcher.asNameFilter() exclude prevMatcher.asNameFilter()
        }

        nameFilter to userPrefix
    }
}

private fun KtAnalysisSession.getAvailableTypeParameters(scopes: KtScope):
Sequence<KtTypeParameterSymbol> =
    scopes.getClassifierSymbols().filterIsInstance<KtTypeParameterSymbol>()

private fun getDeclarationFromReceiverTypeReference(typeReference: KtTypeReference):
KtCallableDeclaration? {
    return (typeReference.parent as? KtCallableDeclaration)?.takeIf { it.receiverTypeReference == typeReference }
}

private fun KtAnalysisSession.typeIsVisible(
    type: KtType,
    visibilityChecker: CompletionVisibilityChecker,
    availableTypeParameters: Set<KtTypeParameterSymbol> = emptySet()
): Boolean = when (type) {
    is KtTypeParameterType -> type.symbol in availableTypeParameters

    is KtUsualClassType -> {
        visibilityChecker.isVisible(type.classSymbol) && type.ownTypeArguments.all { typeArgument ->
            when (typeArgument) {
                is KtStarTypeProjection -> true
                is KtTypeArgumentWithVariance -> typeIsVisible(typeArgument.type, visibilityChecker,
availableTypeParameters)
            }
        }
    }
}

```

```

    }
}

is KtFunctionalType -> {
    val typesInside = listOfNotNull(type.receiverType) + type.returnType + type.parameterTypes

    typesInside.all { typeIsVisible(it, visibilityChecker, availableTypeParameters) }
}

else -> false
}
}

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found in the LICENSE file.
package org.jetbrains.plugins.groovy.lang.resolve.ast.contributor

import com.intellij.psi.PsiAnnotation
import com.intellij.psi.PsiElement
import com.intellij.psi.ResolveState
import com.intellij.psi.scope.PsiScopeProcessor
import com.intellij.psi.util.parentOfType
import org.jetbrains.plugins.groovy.lang.psi.api.statements.blocks.GrClosableBlock
import org.jetbrains.plugins.groovy.lang.psi.impl.GrAnnotationUtil
import org.jetbrains.plugins.groovy.lang.resolve.ClosureMemberContributor
import org.jetbrains.plugins.groovy.lang.resolve.ast.TupleConstructorAttributes
import org.jetbrains.plugins.groovy.lang.resolve.ast.constructorGeneratingAnnotations

abstract class AbstractGeneratedConstructorContributor : ClosureMemberContributor() {
    override fun processMembers(closure: GrClosableBlock, processor: PsiScopeProcessor, place: PsiElement, state:
ResolveState) {
        if (failFastCheck(processor, state)) return
        if (closure != place.parentOfType<GrClosableBlock>()) return
        val anno = closure.parentOfType<PsiAnnotation>()?.takeIf { it.qualifiedName in
constructorGeneratingAnnotations } ?: return
        val elements = when (closure) {
            GrAnnotationUtil.inferClosureAttribute(anno, TupleConstructorAttributes.PRE) ->
generateSyntheticElements(anno, closure, TupleConstructorAttributes.PRE)
            GrAnnotationUtil.inferClosureAttribute(anno, TupleConstructorAttributes.POST) ->
generateSyntheticElements(anno, closure, TupleConstructorAttributes.POST)
        }
        else -> return
    }
    for (element in elements) {
        if (!processor.execute(element, state)) {
            return
        }
    }
}
}
}

```

```
abstract fun failFastCheck(processor: PsiScopeProcessor, state: ResolveState): Boolean
abstract fun generateSyntheticElements(annotation: PsiAnnotation, closure: GrClosableBlock, mode: String):
Iterable<PsiElement>
}
```

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class Some

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package com.maddyhome.idea.copyright.ui

```
import com.intellij.copyright.CopyrightBundle
import com.intellij.copyright.CopyrightManager.Companion.getInstance
import com.intellij.openapi.editor.colors.EditorFontType
import com.intellij.openapi.fileTypes.FileType
import com.intellij.openapi.fileTypes.LanguageFileType
import com.intellij.openapi.fileTypes.StdFileTypes
import com.intellij.openapi.options.SearchableConfigurable
import com.intellij.openapi.project.Project
import com.intellij.openapi.util.NlsContexts
import com.intellij.ui.DocumentAdapter
import com.intellij.ui.components.JBCheckBox
import com.intellij.ui.components.JBRadioButton
import com.intellij.ui.components.JBTextField
import com.intellij.ui.dsl.builder.*
import com.intellij.ui.layout.selected
import com.maddyhome.idea.copyright.CopyrightUpdaters
import com.maddyhome.idea.copyright.DEFAULT_COPYRIGHT_NOTICE
import com.maddyhome.idea.copyright.options.LanguageOptions
import com.maddyhome.idea.copyright.options.Options
import com.maddyhome.idea.copyright.pattern.EntityUtil
import com.maddyhome.idea.copyright.pattern.VelocityHelper
```

```

import com.maddyhome.idea.copyright.util.FileTypeUtil
import java.awt.event.ActionListener
import javax.swing.JComponent
import javax.swing.JRadioButton
import javax.swing.JTextArea
import javax.swing.SwingUtilities
import javax.swing.event.DocumentEvent
import javax.swing.event.EventListenerList
import kotlin.math.max
import kotlin.math.min

class TemplateCommentPanel(_fileType: FileType?,
    private val parentPanel: TemplateCommentPanel?,
    private val project: Project,
    vararg locations: @NlsContexts.RadioButton String) : SearchableConfigurable {

    val fileType: FileType
    private val allowBlock: Boolean
    private val listeners = EventListenerList()
    private val fileLocations = mutableListOf<JRadioButton>()

    private lateinit var noCopyright: JRadioButton
    private lateinit var useDefaultSettingsRadioButton: JRadioButton
    private lateinit var useCustomFormattingOptionsRadioButton: JRadioButton

    private lateinit var commentTypeGroup: Row
    private lateinit var blockComment: JRadioButton
    private lateinit var prefixLines: JCheckBox
    private lateinit var lineComment: JRadioButton

    private lateinit var relativeLocationGroup: Row
    private lateinit var before: JRadioButton
    private lateinit var after: JRadioButton

    private lateinit var borderGroup: Row
    private lateinit var separatorBefore: JCheckBox
    private lateinit var lengthBefore: JTextField
    private lateinit var separatorAfter: JCheckBox
    private lateinit var lengthAfter: JTextField
    private lateinit var filler: JTextField

    private lateinit var box: JCheckBox
    private lateinit var addBlankBefore: JCheckBox
    private lateinit var addBlank: JCheckBox

    private lateinit var preview: JTextArea

    val panel = panel {

```

```

val updateOverrideListener = ActionListener { updateOverride() }
val changeEventListener = ActionListener { fireChangeEvent() }
val updateBoxListener = ActionListener {
    fireChangeEvent()
    updateBox()
}
val documentAdapter = object : DocumentAdapter() {
    override fun textChanged(e: DocumentEvent) {
        fireChangeEvent()
        updateBox()
    }
}

buttonsGroup {
    row {
        noCopyright = radioButton(CopyrightBundle.message("settings.copyright.formatting.no.copyright"))
        .applyToComponent { addActionListener(updateOverrideListener) }
        .component
    }
    row {
        useDefaultSettingsRadioButton =
radioButton(CopyrightBundle.message("settings.copyright.formatting.use.default.settings"))
        .applyToComponent { addActionListener(updateOverrideListener) }
        .component
    }
    row {
        useCustomFormattingOptionsRadioButton = radioButton(
            CopyrightBundle.message("settings.copyright.formatting.use.custom.formatting.options"))
        .applyToComponent { addActionListener(updateOverrideListener) }
        .component
    }
}

row {
    panel {
        commentTypeGroup = group(CopyrightBundle.message("settings.copyright.formatting.comment.type")) {
            buttonsGroup {
                row {
                    blockComment =
radioButton(CopyrightBundle.message("settings.copyright.formatting.use.block.comment"))
                    .applyToComponent { addActionListener(changeEventListener) }
                    .component
                }
                indent {
                    row {
                        prefixLines = checkBox(CopyrightBundle.message("settings.copyright.formatting.prefix.each.line"))
                        .applyToComponent { addActionListener(changeEventListener) }
                    }
                }
            }
        }
    }
}

```

```

        .enabledIf(blockComment.selected)
        .component
    }
}
row {
    lineComment = radioButton(CopyrightBundle.message("settings.copyright.formatting.use.line.comment"))
        .applyToComponent { addActionListener(changeEventListener) }
        .component
    }
}
relativeLocationGroup = group(CopyrightBundle.message("settings.copyright.formatting.relative.location")) {
    buttonsGroup {
        row {
            before = radioButton(CopyrightBundle.message("settings.copyright.formatting.before.other.comments"))
                .component
            }
        row {
            after = radioButton(CopyrightBundle.message("settings.copyright.formatting.after.other.comments"))
                .component
            }
        }
    }
}.resizableColumn()
.align(AlignY.TOP)
.gap(RightGap.COLUMNS)

panel {
    borderGroup = group(CopyrightBundle.message("settings.copyright.formatting.borders")) {
        row {
            separatorBefore = checkBox(CopyrightBundle.message("settings.copyright.formatting.separator.before"))
                .applyToComponent { addActionListener(updateBoxListener) }
                .component
            lengthBefore = intTextField()
                .label(CopyrightBundle.message("settings.copyright.formatting.length"))
                .applyToComponent { document.addDocumentListener(documentAdapter) }
                .enabledIf(separatorBefore.selected)
                .component
        }.layout(RowLayout.PARENT_GRID)
        row {
            separatorAfter = checkBox(CopyrightBundle.message("settings.copyright.formatting.separator.after"))
                .applyToComponent { addActionListener(updateBoxListener) }
                .component
            lengthAfter = intTextField()
                .label(CopyrightBundle.message("settings.copyright.formatting.length"))
                .applyToComponent { document.addDocumentListener(documentAdapter) }
                .enabledIf(separatorAfter.selected)
                .component
        }
    }
}

```

```

        }.layout(RowLayout.PARENT_GRID)
        row {
            filler = textField()
                .label(CopyrightBundle.message("settings.copyright.formatting.separator"))
                .applyToComponent { document.addDocumentListener(documentAdapter) }
                .columns(4)
                .component
        }
        row {
            box = checkBox(CopyrightBundle.message("settings.copyright.formatting.box"))
                .applyToComponent { addActionListener(changeEventListener) }
                .component
        }
        row {
            addBlankBefore =
checkbox(CopyrightBundle.message("settings.copyright.formatting.add.blank.line.before"))
                .component
        }
        row {
            addBlank = checkBox(CopyrightBundle.message("settings.copyright.formatting.add.blank.line.after"))
                .component
        }
        }
        }.resizableColumn()
        .align(AlignY.TOP)
    }

    if (locations.isNotEmpty()) {
        group(CopyrightBundle.message("settings.copyright.formatting.location.in.file")) {
            buttonsGroup {
                for (location in locations) {
                    row {
                        fileLocations += radioButton(location).component
                    }
                }
            }
        }
    }

    row {
        preview = textArea()
            .align(Align.FILL)
            .applyToComponent {
                isEditable = false
                font = EditorFontType.getGlobalPlainFont()
            }
            .component
    }.resizableRow()

```

```

}

init {
    if (_fileType == null) {
        useDefaultSettingsRadioButton.isVisible = false
        useCustomFormattingOptionsRadioButton.isVisible = false
        noCopyright.isVisible = false
    }

    fileType = _fileType ?: StdFileTypes.JAVA
    allowBlock = FileTypeUtil.hasBlockComment(fileType)

    parentPanel?.addOptionChangeListener(TemplateOptionsPanelListener { updateOverride() })

    addOptionChangeListener { showPreview(getOptions()) }
}

override fun getDisplayName(): String {
    return if (fileType is LanguageFileType) fileType.language.displayName else fileType.displayName
}

override fun getHelpTopic(): String {
    return "copyright.filetypes"
}

override fun getOriginalClass(): Class<*> {
    val provider = CopyrightUpdaters.INSTANCE.forFileType(fileType)
    return provider?.javaClass ?: super.getOriginalClass()
}

override fun getId(): String {
    return helpTopic + "." + fileType.name
}

override fun createComponent(): JComponent {
    return panel
}

override fun isModified(): Boolean {
    if (parentPanel == null) {
        return getCopyrightOptions().templateOptions != getOptions()
    }

    return getCopyrightOptions().getOptions(fileType.name) != getOptions()
}

override fun apply() {
    val options = getCopyrightOptions()

```

```

if (parentPanel == null) {
    options.templateOptions = getOptions()
}
else {
    options.setOptions(fileType.name, getOptions())
}
}

override fun reset() {
    val options = if (parentPanel == null) getCopyrightOptions().templateOptions
    else getCopyrightOptions().getOptions(fileType.name)
    val isBlock = options.isBlock
    if (isBlock) {
        blockComment.isSelected = true
    }
    else {
        lineComment.isSelected = true
    }

    prefixLines.isSelected = options.isPrefixLines
    separatorAfter.isSelected = options.isSeparateAfter
    separatorBefore.isSelected = options.isSeparateBefore
    lengthBefore.text = options.getLenBefore().toString()
    lengthAfter.text = options.getLenAfter().toString()
    filler.text = if (options.getFiller() === LanguageOptions.DEFAULT_FILLER) "" else options.getFiller()
    box.isSelected = options.isBox

    val fileTypeOverride = options.getFileTypeOverride()
    useDefaultSettingsRadioButton.isSelected = fileTypeOverride == LanguageOptions.USE_TEMPLATE
    useCustomFormattingOptionsRadioButton.isSelected = fileTypeOverride == LanguageOptions.USE_TEXT
    noCopyright.isSelected = fileTypeOverride == LanguageOptions.NO_COPYRIGHT
    if (options.isRelativeBefore) {
        before.isSelected = true
    }
    else {
        after.isSelected = true
    }
    addBlank.isSelected = options.isAddBlankAfter
    addBlankBefore.isSelected = options.isAddBlankBefore

    if (fileLocations.isNotEmpty()) {
        var choice = options.getFileLocation() - 1
        choice = max(0, min(choice, fileLocations.size - 1))
        fileLocations[choice].isSelected = true
    }

    updateOverride()
}

```

```

private fun getOptions(): LanguageOptions {
    // If this is a fully custom comment we should really ensure there are no blank lines in the comments outside
    // of a block comment. If there are any blank lines the replacement logic will fall apart.
    val result = LanguageOptions()
    result.isBlock = blockComment.isSelected
    result.isPrefixLines = prefixLines.isSelected
    result.isSeparateAfter = separatorAfter.isSelected
    result.isSeparateBefore = separatorBefore.isSelected
    try {
        result.setLenBefore(lengthBefore.text.toInt())
        result.setLenAfter(lengthAfter.text.toInt())
    }
    catch (e: NumberFormatException) {
        //leave blank
    }
    result.isBox = box.isSelected
    val filler = filler.text
    if (filler.isNotEmpty()) {
        result.setFiller(filler)
    }
    else {
        result.setFiller(LanguageOptions.DEFAULT_FILLER)
    }
    result.setFileTypeOverride(getOverrideChoice())
    result.isRelativeBefore = before.isSelected
    result.isAddBlankAfter = addBlank.isSelected
    result.isAddBlankBefore = addBlankBefore.isSelected
    if (fileLocations.isNotEmpty()) {
        for (i in fileLocations.indices) {
            if (fileLocations[i].isSelected) {
                result.setFileLocation(i + 1)
            }
        }
    }
    return result
}

```

```

private fun getOverrideChoice(): Int {
    return if (useDefaultSettingsRadioButton.isSelected) LanguageOptions.USE_TEMPLATE
    else
        if (noCopyright.isSelected) LanguageOptions.NO_COPYRIGHT else LanguageOptions.USE_TEXT
}

```

```

private fun updateOverride() {
    val choice = getOverrideChoice()
    val parentOpts = parentPanel?.getOptions()
    when (choice) {

```

```

LanguageOptions.NO_COPYRIGHT -> {
    enableFormattingOptions(false)
    showPreview(getOptions())
    relativeLocationGroup.enabled(false)
    before.isEnabled = false
    after.isEnabled = false
    addBlank.isEnabled = false
    addBlankBefore.isEnabled = false
    if (fileLocations.isNotEmpty()) {
        for (fileLocation in fileLocations) {
            fileLocation.isEnabled = false
        }
    }
}

LanguageOptions.USE_TEMPLATE -> {
    val isTemplate = parentPanel == null
    enableFormattingOptions(isTemplate)
    showPreview(parentOpts ?: getOptions())
    relativeLocationGroup.enabled(isTemplate)
    before.isEnabled = isTemplate
    after.isEnabled = isTemplate
    addBlank.isEnabled = isTemplate
    addBlankBefore.isEnabled = isTemplate
    if (fileLocations.isNotEmpty()) {
        for (fileLocation in fileLocations) {
            fileLocation.isEnabled = true
        }
    }
}

LanguageOptions.USE_TEXT -> {
    enableFormattingOptions(true)
    showPreview(getOptions())
    relativeLocationGroup.enabled(true)
    before.isEnabled = true
    after.isEnabled = true
    addBlank.isEnabled = true
    addBlankBefore.isEnabled = true
    if (fileLocations.isNotEmpty()) {
        for (fileLocation in fileLocations) {
            fileLocation.isEnabled = true
        }
    }
}

private fun enableFormattingOptions(enable: Boolean) {
    if (enable) {

```

```

commentTypeGroup.enabled(true)
borderGroup.enabled(true)
blockComment.isEnabled = true
lineComment.isEnabled = true
prefixLines.isEnabled = allowBlock && blockComment.isSelected
separatorBefore.isEnabled = true
separatorAfter.isEnabled = true
lengthBefore.isEnabled = separatorBefore.isSelected
lengthBefore.isEnabled = separatorBefore.isSelected
lengthAfter.isEnabled = separatorAfter.isSelected
lengthAfter.isEnabled = separatorAfter.isSelected
updateBox()
}
else {
commentTypeGroup.enabled(false)
borderGroup.enabled(false)
}
}

```

```

private fun updateBox() {
var enable = true
if (!separatorBefore.isSelected || !separatorAfter.isSelected) {
enable = false
}
else {
if (lengthBefore.text != lengthAfter.text) {
enable = false
}
}
val either = separatorBefore.isSelected || separatorAfter.isSelected
box.isEnabled = enable
filler.isEnabled = either
}

```

```

private fun showPreview(options: LanguageOptions) {
val defaultCopyrightText = if (noCopyright.isSelected) ""
else FileTypeUtil
.buildComment(fileType, VelocityHelper.evaluate(null, null, null,
EntityUtil.decode(DEFAULT_COPYRIGHT_NOTICE)), options)
SwingUtilities.invokeLater { preview.text = defaultCopyrightText }
}

```

```

private fun addOptionChangeListener(listener: TemplateOptionsPanelListener) {
listeners.add(TemplateOptionsPanelListener::class.java, listener)
}

```

```

private fun fireChangeEvent() {
val fires = listeners.listenerList

```

```

var i = fires.size - 2
while (i >= 0) {
  if (fires[i] === TemplateOptionsPanelListener::class.java) {
    (fires[i + 1] as TemplateOptionsPanelListener).optionChanged()
  }
  i -= 2
}
}

```

```

private fun getCopyrightOptions(): Options {
  return getInstance(project).options
}
}

```

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```

<?xml version="1.0" encoding="UTF-8"?>
<module type="JAVA_MODULE" version="4">
  <component name="NewModuleRootManager" inherit-compiler-output="true">
    <exclude-output />
    <content url="file://$MODULE_DIR$">
      <sourceFolder url="file://$MODULE_DIR$/resources" type="java-resource" />
      <sourceFolder url="file://$MODULE_DIR$/src" isTestSource="false" />
    </content>
    <orderEntry type="inheritedJdk" />
  </component>
</module>

```

```
<orderEntry type="sourceFolder" forTests="false" />
<orderEntry type="library" name="kotlin.kotlin-stdlib" level="project" />
<orderEntry type="library" name="kotlin.kotlin-compiler-common" level="project" />
<orderEntry type="module" module-name="kotlin.base.frontend-agnostic" />
<orderEntry type="module" module-name="intellij.platform.core" />
<orderEntry type="module" module-name="intellij.copyright" />
</component>
</module>
```

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```
package org.jetbrains.kotlin.idea.completion.contributors
```

```
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
```

```
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
```

```
import org.jetbrains.kotlin.idea.completion.context.FirRawPositionCompletionContext
```

```
import org.jetbrains.kotlin.idea.completion.context.FirTypeNameReferencePositionContext
```

```
import org.jetbrains.kotlin.idea.completion.context.FirValueParameterPositionContext
```

```
import org.jetbrains.kotlin.idea.completion.contributors.keywords.OverrideKeywordHandler
```

```
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
```

```
import org.jetbrains.kotlin.lexer.KtTokens
```

```
import org.jetbrains.kotlin.psi.KtCallableDeclaration
```

```
import org.jetbrains.kotlin.psi.KtTypeReference
```

```
/**
```

```
 * Completes names of override members. For example, in the following code:
```

```
 * ```
```

```
 * interface I {
```

```
 *     val someVal: Int
```

```
 *     fun foo()
```

```
 * }
```

```
 *
```

```
 * class A(override val <caret>): I
```

```
 *
```

```
 * class B: I {
```

```
 *     override fun <caret>
```

```
 * }
```

```
 * ```
```

```
 * `someVal` and `foo` will be suggested at the caret in class `A` and the caret at class `B` respectively.
```

```
 *
```

```
 * @see OverrideKeywordHandler
```

```
 */
```

```
internal class FirDeclarationFromOverridableMembersContributor(  
    basicContext: FirBasicCompletionContext,  
    priority: Int,  
): FirCompletionContributorBase<FirRawPositionCompletionContext>(basicContext, priority) {  
    override fun KtAnalysisSession.complete(positionContext: FirRawPositionCompletionContext, weighingContext:  
WeighingContext) {  
        val declaration = when (positionContext) {
```

```

    is FirValueParameterPositionContext -> positionContext.ktParameter
    // In a fake file a callable declaration under construction is appended with "X.f$", which is parsed as a type
reference.
    is FirTypeNameReferencePositionContext -> positionContext.typeReference?.let {
getDeclarationFromReceiverTypeReference(it) }
    else -> null
    } ?: return

    if (declaration.hasModifier(KtTokens.OVERRIDE_KEYWORD)) {
        val elements = with(OverrideKeywordHandler(basicContext)) { createOverrideMemberLookups(parameters,
declaration, project) }
        sink.addAllElements(elements)
    }
}

private fun getDeclarationFromReceiverTypeReference(typeReference: KtTypeReference):
KtCallableDeclaration? {
    return (typeReference.parent as? KtCallableDeclaration)?.takeIf { it.receiverTypeReference == typeReference }
}
}

```

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fun some() { }

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```
<?xml version="1.0" encoding="UTF-8"?>
<module type="JAVA_MODULE" version="4">
  <component name="NewModuleRootManager" inherit-compiler-output="true">
    <exclude-output />
    <content url="file://$MODULE_DIR$">
      <sourceFolder url="file://$MODULE_DIR$/test" isTestSource="true" />
    </content>
    <orderEntry type="inheritedJdk" />
    <orderEntry type="sourceFolder" forTests="false" />
    <orderEntry type="library" name="kotlinc.kotlin-stdlib" level="project" />
    <orderEntry type="library" name="kotlinc.kotlin-compiler-tests" level="project" />
    <orderEntry type="library" name="JUnit4" level="project" />
    <orderEntry type="module" module-name="kotlin.plugin.k1" scope="TEST" />
    <orderEntry type="module" module-name="kotlin.copyright" />
    <orderEntry type="module" module-name="kotlin.uast.uast-kotlin" scope="RUNTIME" />
    <orderEntry type="module" module-name="kotlin.jvm-debugger.core-fe10" scope="RUNTIME" />
    <orderEntry type="module" module-name="kotlin.tests-common" />
    <orderEntry type="module" module-name="kotlin.test-framework" />
    <orderEntry type="module" module-name="intellij.platform.ide.core" scope="RUNTIME" />
    <orderEntry type="module" module-name="intellij.java.analysis" scope="RUNTIME" />
    <orderEntry type="module" module-name="intellij.copyright" />
  </component>
</module>
```

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-----  
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package org.jetbrains.kotlin.idea.completion.contributors.helpers

```

import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.KtStarTypeProjection
import org.jetbrains.kotlin.analysis.api.components.buildClassType
import org.jetbrains.kotlin.analysis.api.symbols.*
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtSymbolKind
import org.jetbrains.kotlin.analysis.api.types.*
import org.jetbrains.kotlin.analysis.api.types.KtIntersectionType
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.idea.references.mainReference
import org.jetbrains.kotlin.psi.*
import org.jetbrains.kotlin.psi.psiUtil.getParentOfType
import org.jetbrains.kotlin.analysis.api.components.KtScopeKind
import org.jetbrains.kotlin.analysis.api.signatures.KtCallableSignature

internal object CallableMetadataProvider {

    class CallableMetadata(
        val kind: CallableKind,
        /**
         * In case of the local callable, the index of local scope in scope tower.
         * In case of the global or static imported callable, the index of non-local scope in scope tower.
         *
         * Otherwise, the index of the matched receiver.
         *
         * This number makes completion prefer candidates that are available from the innermost receiver
         * when all other things are equal. Explicit receiver is pushed to the end because if explicit receiver does not
         match, the entry
         * would not have showed up in the first place.
         *
         * For example, consider the code below
         *
         * ```
         * class Foo { // receiver 2
         *     fun String.f1() { // receiver 1
         *         fun Int.f2() { // receiver 0
         *             length // receiver index = 1
         *             listOf("").size // receiver index = 3 (explicit receiver is added to the end)
         *             "".f1() // receiver index = 3 (explicit receiver is honored over implicit (dispatch) receiver)
         *         }
         *     }
         * }
         * ```
         */
        val scopeIndex: Int?
    )

    sealed class CallableKind(private val index: Int) : Comparable<CallableKind> {

```

```

object Local : CallableKind(0) // local non_extension
object ThisClassMember : CallableKind(1)
object BaseClassMember : CallableKind(2)
object ThisTypeExtension : CallableKind(3)
object BaseTypeExtension : CallableKind(4)
object GlobalOrStatic : CallableKind(5) // global non_extension
object TypeParameterExtension : CallableKind(6)
object ReceiverCastRequired : CallableKind(7)

override fun compareTo(other: CallableKind): Int = this.index - other.index
}

fun KtAnalysisSession.getCallableMetadata(
    context: WeighingContext,
    signature: KtCallableSignature<*>,
    symbolOrigin: CompletionSymbolOrigin,
): CallableMetadata? {
    val symbol = signature.symbol
    if (symbol is KtSyntheticJavaPropertySymbol) {
        return getCallableMetadata(context, symbol.javaGetterSymbol.asSignature(), symbolOrigin)
    }
    val overriddenSymbols = symbol.getDirectlyOverriddenSymbols()
    if (overriddenSymbols.isNotEmpty()) {
        val weights = overriddenSymbols
            .mapNotNull { callableWeightByReceiver(it.asSignature(), context,
returnCastRequiredOnReceiverMismatch = false) }
            .takeUnless { it.isEmpty() }
            ?: symbol.getAllOverriddenSymbols().map { callableWeightBasic(context, it.asSignature(), symbolOrigin)
    }

    return weights.minByOrNull { it.kind }
    }
    return callableWeightBasic(context, signature, symbolOrigin)
}

private fun KtAnalysisSession.callableWeightBasic(
    context: WeighingContext,
    signature: KtCallableSignature<*>,
    symbolOrigin: CompletionSymbolOrigin,
): CallableMetadata {
    val scopeIndex = (symbolOrigin as? CompletionSymbolOrigin.Scope)?.kind?.indexInTower

    return when (signature.symbol.symbolKind) {
        KtSymbolKind.TOP_LEVEL,
        KtSymbolKind.CLASS_MEMBER -> callableWeightByReceiver(signature, context,
returnCastRequiredOnReceiverMismatch = true)

        KtSymbolKind.LOCAL -> CallableMetadata(CallableKind.Local, scopeIndex)
    }
}

```

```

        else -> null
    } ?: CallableMetadata(CallableKind.GlobalOrStatic, scopeIndex)
}

private fun KtAnalysisSession.callableWeightByReceiver(
    signature: KtCallableSignature<*>,
    context: WeighingContext,
    returnCastRequiredOnReceiverMismatch: Boolean
): CallableMetadata? {
    val symbol = signature.symbol

    val actualExplicitReceiverType = context.explicitReceiver?.let {
        getReferencedClassTypeInCallableReferenceExpression(it) ?: it.getKtType()
    }
    val actualImplicitReceiverTypes = context.implicitReceiver.map { it.type }
    val expectedExtensionReceiverType = signature.receiverType

    if (expectedExtensionReceiverType == null) {
        val expectedReceiver = symbol.originalContainingClassForOverride ?: return null
        val expectedReceiverType = buildClassType(expectedReceiver)
        val actualReceiverTypes = actualExplicitReceiverType?.let { listOf(actualExplicitReceiverType) } ?:
actualImplicitReceiverTypes

        val replaceTypeArguments = expectedReceiverType is KtNonErrorClassType &&
expectedReceiverType.ownTypeArguments.isNotEmpty()
        val correctedActualReceiverTypes = if (replaceTypeArguments) {
            // replace type arguments to correctly compare actual types with built expected type
            actualReceiverTypes.mapNotNull { it.replaceTypeArgumentsWithStarProjections() }
        } else actualReceiverTypes

        return callableWeightByReceiver(
            symbol,
            correctedActualReceiverTypes,
            expectedReceiverType,
            returnCastRequiredOnReceiverMismatch
        )
    }
}

// If a symbol expects an extension receiver, then either
// * the call site explicitly specifies the extension receiver , or
// * the call site specifies no receiver.
// In other words, in this case, an explicit receiver can never be a dispatch receiver.
val weightBasedOnExtensionReceiver = callableWeightByReceiver(
    symbol,
    actualExplicitReceiverType?.let { listOf(it) } ?: actualImplicitReceiverTypes,
    expectedExtensionReceiverType,
    returnCastRequiredOnReceiverMismatch
)

```

```

    if (returnCastRequiredOnReceiverMismatch && weightBasedOnExtensionReceiver?.kind is
CallableKind.ReceiverCastRequired) return weightBasedOnExtensionReceiver

    // In Fir, a local function takes its containing function's dispatch receiver as its dispatch receiver. But we don't
consider a
    // local function as a class member. Hence, here we return null so that it's handled by other logic.
    if (signature.callableIdIfNonLocal == null) return null

    val expectedDispatchReceiverType = (symbol as? KtCallableSymbol)?.getDispatchReceiverType()
    val weightBasedOnDispatchReceiver = expectedDispatchReceiverType?.let { receiverType ->
        callableWeightByReceiver(
            symbol,
            actualImplicitReceiverTypes + listOfNotNull(actualExplicitReceiverType),
            receiverType,
            returnCastRequiredOnReceiverMismatch
        )
    }
    if (returnCastRequiredOnReceiverMismatch && weightBasedOnDispatchReceiver?.kind is
CallableKind.ReceiverCastRequired) return weightBasedOnDispatchReceiver
    return weightBasedOnExtensionReceiver ?: weightBasedOnDispatchReceiver
}

/**
 * Return the type from the referenced class if this explicit receiver is a receiver in a callable reference expression.
For example,
 * in the following code, `String` is such a receiver. And this method should return the `String` type in this case.
 * ```
 * val l = String::length
 * ```
 */
private fun KtAnalysisSession.getReferencedClassTypeInCallableReferenceExpression(explicitReceiver:
KtExpression): KtType? {
    val callableReferenceExpression = explicitReceiver.getParentOfType<KtCallableReferenceExpression>(strict =
true) ?: return null
    if (callableReferenceExpression.lhs != explicitReceiver) return null
    val symbol = when (explicitReceiver) {
        is KtDotQualifiedExpression -> explicitReceiver.selectorExpression?.mainReference?.resolveToSymbol()
        is KtNameReferenceExpression -> explicitReceiver.mainReference.resolveToSymbol()
        else -> return null
    }
    if (symbol !is KtClassLikeSymbol) return null
    return buildClassType(symbol)
}

private fun KtAnalysisSession.buildClassType(symbol: KtClassLikeSymbol): KtClassType =
buildClassType(symbol) {
    repeat(symbol.typeParameters.size) {

```

```

        argument(KtStarTypeProjection(token))
    }
}

context(KtAnalysisSession)
private fun KtType.replaceTypeArgumentsWithStarProjections(): KtType? =
    expandedClassSymbol?.let { buildClassType(it) }?.withNullability(nullability)

private fun KtAnalysisSession.callableWeightByReceiver(
    symbol: KtCallableSymbol,
    actualReceiverTypes: List<KtType>,
    expectedReceiverType: KtType,
    returnCastRequiredOnReceiverTypeMismatch: Boolean
): CallableMetadata? {
    if (expectedReceiverType is KtFunctionType) return null

    var allReceiverTypesMatch = true
    var bestMatchIndex: Int? = null
    var bestMatchWeightKind: CallableKind? = null

    for ((i, actualReceiverType) in actualReceiverTypes.withIndex()) {
        val weightKind = callableWeightKindByReceiverType(symbol, actualReceiverType, expectedReceiverType)
        if (weightKind != null) {
            if (bestMatchWeightKind == null || weightKind < bestMatchWeightKind) {
                bestMatchWeightKind = weightKind
                bestMatchIndex = i
            }
        } else {
            allReceiverTypesMatch = false
        }
    }

    if (bestMatchWeightKind == null) {
        return if (returnCastRequiredOnReceiverTypeMismatch)
            CallableMetadata(CallableKind.ReceiverCastRequired, null)
        else null
    }

    // use `null` for the receiver index if the symbol matches every actual receiver in order to prevent members of
    // common super
    // classes such as `Any` from appearing on top
    if (allReceiverTypesMatch && actualReceiverTypes.size > 1) bestMatchIndex = null

    return CallableMetadata(bestMatchWeightKind, bestMatchIndex)
}

private fun KtAnalysisSession.callableWeightKindByReceiverType(
    symbol: KtCallableSymbol,

```

```

    actualReceiverType: KtType,
    expectedReceiverType: KtType,
): CallableKind? {
    val receiverTypes = when (actualReceiverType) {
        is KtIntersectionType -> actualReceiverType.conjuncts
        else -> listOf(actualReceiverType)
    }

    return when {
        receiverTypes.any { it isEqualTo expectedReceiverType } -> when {
            isExtensionCallOnTypeParameterReceiver(symbol) -> CallableKind.TypeParameterExtension
            symbol.isExtension -> CallableKind.ThisTypeExtension
            else -> CallableKind.ThisClassMember
        }

        receiverTypes.any { it isSubTypeOf expectedReceiverType } -> when {
            symbol.isExtension -> CallableKind.BaseTypeExtension
            else -> CallableKind.BaseClassMember
        }

        else -> null
    }
}

private fun KtAnalysisSession.isExtensionCallOnTypeParameterReceiver(symbol: KtCallableSymbol): Boolean {
    val originalSymbol = symbol.unwrapFakeOverrides()
    val receiverParameterType = originalSymbol.receiverType as? KtTypeParameterType ?: return false
    val parameterTypeOwner = receiverParameterType.symbol.getContainingSymbol() ?: return false
    return parameterTypeOwner == originalSymbol
}
}
}

```

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@file:Suppress("ReplaceGetOrSet")

```
package org.jetbrains.intellij.build
```

```
/**
```

```
* Describes a library which is included into distribution of an IntelliJ-based IDE. This information is used to show list of Third-party
```

```
* software in About popup and on the product download page.
```

```
*/
```

```
data class LibraryLicense(  
    /**
```

```
    /**
```

```
    * Presentable full name of the library. If `null` [libraryName] will be used instead.
```

```
    */
```

```
    val name: String? = null,
```

```
    /**
```

```
    * URL of the library site, may be `null` if the library doesn't have a site
```

```
    */
```

```
    val url: String? = null,
```

```
    /**
```

```
    * Version of the library. If [libraryName] points to a Maven library version is taken from the library configuration so it must
```

```
    * not be specified explicitly.
```

```
    */
```

```
    val version: String? = null,
```

```
    /**
```

```
    * Name of the library in IDEA Project Configuration (for unnamed module libraries it's a name of its JAR file).
```

```
    May be `null` if
```

```
    * the library isn't explicitly added to dependencies of a module, in that case [attachedTo] must be specified instead.
```

```
    This property
```

```
    * is used to automatically generate list of libraries used in a particular project.
```

```
    */
```

```
    val libraryName: String? = null,
```

```
    /**
```

```
    * Names of additional libraries in IDEA Project Configuration which are associated with the given library. It makes sense to use this
```

```
    * property only for unnamed module library consisting of several JAR files, but even in such cases consider merging such JARs into a single
```

```
    * module library and giving it a name.
```

```
    */
```

```
    val additionalLibraryNames: List<String> = emptyList(),
```

```
    /**
```

```
    * Specifies name of the module in IDEA Project configuration the library is implicitly attached to. It makes sense to use this property
```

```
    * only for libraries which cannot be added to a module dependencies as a regular dependency (e.g. if it isn't a Java library). For regular
```

```

* cases specify [libraryName] instead.
*/
val attachedTo: String? = null,

/**
 * Set to `true` if this entry describes license for a transitive dependency included into the library specified by
 [libraryName]
 */
val transitiveDependency: Boolean = false,

/**
 * Type of a license (e.g. `Apache 2.0`)
 */
val license: String? = null,

/**
 * URL of a page on the library site (or a generic site) containing the license text, may be `null` for standard licenses
 * (see [PREDEFINED_LICENSE_URLS]) or if there is no such page.
 */
val licenseUrl: String? = null,
) {
    init {
        require(name != null || libraryName != null) { "name or libraryName must be set" }
    }
}

companion object {
    private const val APACHE_LICENSE_URL = "https://www.apache.org/licenses/LICENSE-2.0"
    private val PREDEFINED_LICENSE_URLS = mapOf("Apache 2.0" to APACHE_LICENSE_URL)

    @JvmStatic
    val JETBRAINS_OWN = "JetBrains"

    /**
     * Denotes version of library built from custom revision
     */
    const val CUSTOM_REVISION = "custom revision"

    /**
     * Use this method only for JetBrains's own libraries which are available as part of IntelliJ-based IDEs only so
     there is no way to
     * give link to their sites. For other libraries please fill all necessary fields of [LibraryLicense] instead of using this
     method.
     */
    @JvmStatic
    fun jetbrainsLibrary(libraryName: String): LibraryLicense {
        return LibraryLicense(
            libraryName = libraryName,
            license = JETBRAINS_OWN,

```

```
)  
}  
}
```

```
fun getLibraryNames(): List<String> = listOfNotNull(libraryName) + additionalLibraryNames
```

```
val presentableName: String  
    get() = name ?: libraryName!!
```

```
fun getLibraryLicenseUrl(): String? = licenseUrl ?: PREDEFINED_LICENSE_URLS.get(license)
```

```
@Deprecated("Please specify exact URL for the Apache license, pointing to the repo of the dependency")  
fun apache(): LibraryLicense {  
    require(license == null) { "No need to specify 'license' for Apache 2.0" }  
    require(licenseUrl?.contains("apache.org/licenses") != true) { "No need to specify default 'licenseUrl' for Apache  
2.0" }  
    return copy(  
        license = "Apache 2.0",  
        licenseUrl = licenseUrl ?: APACHE_LICENSE_URL,  
    )  
}
```

```
fun apache(licenseUrl: String): LibraryLicense {  
    require(license == null) { "No need to specify 'license' for Apache 2.0" }  
    return copy(  
        license = "Apache 2.0",  
        licenseUrl = licenseUrl  
    )  
}
```

```
@Deprecated("Please specify exact URL for the BSD license, pointing to the repo of the dependency")  
fun simplifiedBsd(): LibraryLicense {  
    require(license == null) { "No need to specify 'license' for Simplified BSD" }  
    require(licenseUrl?.contains("opensource.org/licenses") != true) { "No need to specify default 'licenseUrl' for  
Simplified BSD" }  
    return copy(  
        license = "BSD 2-Clause",  
        licenseUrl = licenseUrl ?: "https://opensource.org/licenses/BSD-2-Clause",  
    )  
}
```

```
fun simplifiedBsd(licenseUrl: String): LibraryLicense {  
    require(license == null) { "No need to specify 'license' for Simplified BSD" }  
    return copy(  
        license = "BSD 2-Clause",  
        licenseUrl = licenseUrl  
    )  
}
```

```

@Deprecated("Please specify exact URL for the BSD license, pointing to the repo or Web site of the dependency")
fun newBsd(): LibraryLicense {
    require(license == null) { "No need to specify 'license' for New BSD" }
    require(licenseUrl?.contains("opensource.org/licenses") != true) { "No need to specify default 'licenseUrl' for New BSD" }
    return copy(
        license = "BSD 3-Clause",
        licenseUrl = licenseUrl ?: "https://opensource.org/licenses/BSD-3-Clause",
    )
}

```

```

fun newBsd(licenseUrl: String): LibraryLicense {
    require(license == null) { "No need to specify 'license' for New BSD" }
    return copy(
        license = "BSD 3-Clause",
        licenseUrl = licenseUrl
    )
}

```

```

@Deprecated("Please specify exact URL for the MIT license, pointing to the repo or Web site of the dependency")
fun mit(): LibraryLicense {
    require(license == null) { "No need to specify 'license' for MIT" }
    require(licenseUrl?.contains("opensource.org/licenses") != true) { "No need to specify default 'licenseUrl' for MIT" }
    return copy(
        license = "MIT",
        licenseUrl = licenseUrl ?: "https://opensource.org/licenses/MIT",
    )
}

```

```

fun mit(licenseUrl: String): LibraryLicense {
    require(license == null) { "No need to specify 'license' for MIT" }
    return copy(
        license = "MIT",
        licenseUrl = licenseUrl
    )
}

```

```

fun eplV1(): LibraryLicense = epl(1)
fun eplV2(): LibraryLicense = epl(2)
fun eplV1(licenseUrl: String): LibraryLicense = epl(licenseUrl, 1)
fun eplV2(licenseUrl: String): LibraryLicense = epl(licenseUrl, 2)

```

```

private fun epl(licenseUrl: String, v: Int): LibraryLicense {
    require(license == null) { "No need to specify 'license' for EPL" }
    return copy(
        license = "Eclipse Public License ${v}.0",
        licenseUrl = licenseUrl
    )
}

```

```

    )
}

private fun epl(v: Int): LibraryLicense {
    require(v == 1 || v == 2) { "Version must be either 1 or 2 for Eclipse Public License" }
    require(license == null) { "No need to specify 'license' for Eclipse Public License" }
    require(licenseUrl?.contains("eclipse.org") != true) { "No need to specify default 'licenseUrl' for Eclipse Public License" }
    return copy(
        license = "Eclipse Public License ${v}.0",
        licenseUrl = licenseUrl
            ?. (if (v == 1) "https://www.eclipse.org/org/documents/epl-v10.html" else
                "https://www.eclipse.org/legal/epl-2.0")
    )
}
}

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```

```
package org.jetbrains.kotlin.idea.completion.contributors
```

```

import com.intellij.codeInsight.lookup.LookupElementBuilder
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirClassifierNamePositionContext
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.name.Name
import org.jetbrains.kotlin.psi.KtClassOrObject
import org.jetbrains.kotlin.renderer.render

```

```

internal class FirSameAsFileClassifierNameCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int
) : FirCompletionContributorBase<FirClassifierNamePositionContext>(basicContext, priority) {

```

```

    override fun KtAnalysisSession.complete(positionContext: FirClassifierNamePositionContext, weighingContext: WeighingContext) {
        if (positionContext.classLikeDeclaration is KtClassOrObject) {
            completeTopLevelClassName(positionContext.classLikeDeclaration)
        }
    }
}

```

```

private fun completeTopLevelClassName(classOrObject: KtClassOrObject) {
    if (!classOrObject.isTopLevel()) return
    val name = originalKtFile.virtualFile.nameWithoutExtension
    if (!isValidUpperCapitalizedClassName(name)) return
    if (originalKtFile.declarations.any { it is KtClassOrObject && it.name == name }) return
    sink.addElement(LookupElementBuilder.create(name))
}

```

```
}  
  
private fun isValidUpperCapitalizedClassName(name: String) =  
    Name.isValidIdentifier(name) && Name.identifier(name).render() == name && name[0].isUpperCase()  
}  
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```

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package com.intellij.copyright

```
import com.intellij.ide.highlighter.JavaFileType  
import com.intellij.testFramework.fixtures.BasePlatformTestCase  
import com.maddyhome.idea.copyright.CopyrightProfile  
import com.maddyhome.idea.copyright.psi.UpdateCopyrightFactory
```

```

class JavaCopyrightTest : BasePlatformTestCase() {
    fun testMultipleCopyrightsInOneFile() {
        myFixture.configureByText(JavaFileType.INSTANCE,
            """

/**
 * Copyright JetBrains
 */
/**
 * Copyright empty
 */
class A {}
""")

        updateCopyright()
        myFixture.checkResult("""

/*
 * Copyright text
 * copyright text
 */

/**
 * Copyright empty
 */
class A {}
""")
    }

    fun testMultipleCopyrightsInOneFileOneRemoved() {
        myFixture.configureByText(JavaFileType.INSTANCE,
            """

/*
 * Copyright JetBrains
 * second line
 */

/*
 * Copyright JetBrains
 */

public class A {}
""")

        updateCopyright()
        myFixture.checkResult("""
/*

```

```
* Copyright text
* copyright text
*/
```

```
public class A {}
""")
}
```

```
@Throws(Exception::class)
private fun updateCopyright() {
    val options = CopyrightProfile()
    options.notice = "Copyright text\nncopyright text"
    options.keyword = "Copyright"
    options.allowReplaceRegexp = "JetBrains"
    val updateCopyright = UpdateCopyrightFactory.createUpdateCopyright(myFixture.project, myFixture.module,
        myFixture.file, options)

    updateCopyright!!.prepare()
    updateCopyright.complete()
}
}
```

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```
package org.jetbrains.kotlin.idea.completion.contributors
```

```
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.components.KtScopeKind
import org.jetbrains.kotlin.analysis.api.symbols.KtPackageSymbol
import org.jetbrains.kotlin.base.analysis.isExcludedFromAutoImport
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirNameReferencePositionContext
import org.jetbrains.kotlin.idea.completion.context.FirRawPositionCompletionContext
import org.jetbrains.kotlin.idea.completion.contributors.helpers.CompletionSymbolOrigin
import org.jetbrains.kotlin.idea.completion.contributors.helpers.KtSymbolWithOrigin
import org.jetbrains.kotlin.idea.completion.weighers.Weighers
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
```

```
internal class FirPackageCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int,
) : FirCompletionContributorBase<FirRawPositionCompletionContext>(basicContext, priority) {
```

```
    override fun KtAnalysisSession.complete(positionContext: FirRawPositionCompletionContext, weighingContext: WeighingContext) {
```

```
        val rootSymbol = if (positionContext !is FirNameReferencePositionContext || positionContext.explicitReceiver
```

```

== null) {
    ROOT_PACKAGE_SYMBOL
} else {
    positionContext.explicitReceiver?.reference()?.resolveToSymbol() as? KtPackageSymbol
} ?: return

val symbolOrigin =
CompletionSymbolOrigin.Scope(KtScopeKind.PackageMemberScope(CompletionSymbolOrigin.SCOPE_OUTSIDE_TOWER_INDEX))

rootSymbol.getPackageScope()
    .getPackageSymbols(scopeNameFilter)
    .filterNot { it.fqName.isExcludedFromAutoImport(project, originalKtFile) }
    .forEach { packageSymbol ->
        val element = lookupElementFactory.createPackagePartLookupElement(packageSymbol.fqName)
        Weighers.applyWeighsToLookupElement(weighingContext, element,
KtSymbolWithOrigin(packageSymbol, symbolOrigin))
        sink.addElement(element)
    }
}
}

```

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=====

```
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// Version 2.0, in this case for Maven Profile Model  
// -----
```

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-----

Eclipse

The following artifacts are EPL.

\* org.eclipse.jetty.orbit;org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

\* org.eclipse.jetty.orbit;javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

\* org.eclipse.jetty.orbit;javax.mail.glassfish

-----

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet;javax.servlet-api

- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

-----

## Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

-----

## OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

- org.ow2.asm:asm-commons
- org.ow2.asm:asm

-----

## Apache

The following artifacts are ASL2 licensed.

- org.apache.taglibs:taglibs-standard-spec
- org.apache.taglibs:taglibs-standard-impl

-----

## MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

- org.mortbay.jasper:apache-jsp
- org.apache.tomcat:tomcat-jasper
- org.apache.tomcat:tomcat-juli
- org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

-----

Mortbay

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

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NOTE: This version requires IDEA to be executed with JDK 1.5.0 or greater.

Project/Module Copyright Notice.

This plugin is used to ensure files in a project or module have a consistent copyright notice. Copyright notices can be created for the following file types: Java, JavaScript, JSP, JSPx, XML, HTML, XHTML, DTD, Properties, and CSS.

\* Configuration

\*\* Enable Plugin

By default the plugin is disabled for a project. Simple select the Enable Copyright Notice Plugin checkbox to enable copyright notices for this project.

## \*\* Project and Module Level

You can set the copyright notice at the project level first. This setting will be used as the default for each new module added to the project. You then have the option of adjusting each module's setting individually. For each module you can specify whether it has it's own custom copyright, uses the project copyright, or has no copyright at all.

You can also import copyright notice settings from other, external projects and modules by pressing the Import Settings button. This brings up a file chooser that lets you select project (\*.ipr) or module (\*.iml) files. Once selected the project or module is scanned for copyright plugin settings. If found they are imported into the current level.

At the module level you can also copy over the current project's settings by pressing the Copy Project Settings button.

## \*\* Settings

At a given level (project or module) you can define a copyright notice template to be used by all supported file types and/or you can tailor the copyright notice settings for a specific file type.

### \*\*\* Template

#### \*\*\*\* Text

Most likely you will want the same general copyright notice for all file types. This is done by setting up the template. The copyright notice template should be undecorated and language independent. In other words, the template should not contain any language specific comment markers.

The template will be treated as a Velocity template. See the section below for more information on Velocity templates.

#### \*\*\*\* Formatting Options

Once the basic text of the copyright notice is set you can specify several formatting options.

First you should specify whether the copyright should be entered using a file's block or line comment syntax. A language not containing the selected choice will use the syntax it does have available to best emulate the choice. If the block comment is chosen you have the option of having each line preceded by

a comment marker.

Second you can specify whether the comment should be surrounded by a line of comment markers, referred to as a separator. If both separators are selected and are of the same length you will have the option of having the whole comment "boxed" in. The character used to fill the separator can be specified. By default (nothing specified) the character used will be appropriate for the given language. Tilde (~) is used for XML type languages because a hyphen (-) isn't valid when strung together.

#### \*\*\*\* Relative Location

If the area containing the copyright notice contains other, non-copyright comments you can specify whether the copyright notice comes before or after the other comments.

You may also specify that you want a blank line to appear after the copyright notice.

#### \*\*\*\* Copyright Keyword

This keyword must be a valid Java regular expression (see `java.util.regex.Pattern`) used to determine if a comment is a normal comment or a copyright notice comment. It is important that the keyword expression doesn't match non-copyright notice comments or you may find comments getting deleted that you didn't want deleted. This warning is only true for comments near the beginning of files within the areas that copyright notices may appear. Comments in other parts of a file will not be effected even if the keyword expression matches.

#### \*\*\*\* Preview

Checking the Preview checkbox allows you to see what your comment will look like using Java comment syntax. This is your entered text formatted with all the options chosen in the Formatting Options area.

#### \*\*\*\* Validate

Pressing this button verifies that the text is a valid Velocity template. If the Velocity engine finds any problem with the text an error message is displayed. This does not verify whether the resulting comment is valid for the given file type.

#### \*\*\* File Types

By default all supported file types will use the template copyright notice. You do have the option of changing the settings for a specific file type.

#### \*\*\*\* Template Override

No Copyright - Select this if you don't want any copyright notice added to files of this type. If a copyright notice exists it will be removed.

Use Template - Use the template copyright notice.

Use Template Text - Select this if you want to use the text of the template copyright notice but you wish to format the text differently.

Fully Custom - Select this if you need to enter a copyright notice in a form not supported by the supplied formatting options. If you choose this option then the text you enter must be a complete and valid comment for the given file type. See the section below on multi-comment notices.

#### \*\*\*\* Formatting Options

This is only enabled if Use Template Text has been selected. The options work just as described under the Template section. The only exception is that the Block and Line comment choices are enabled based on the features of the language.

#### \*\*\*\* Alternate Comment Syntax

JSP files can use either JSP comments or XML comments. By default the JSP syntax is used. To use XML you must check the Use XML Comments checkbox.

#### \*\*\*\* Relative Location

This is enabled if Use Template Text or Fully Custom has been selected. The options work just as described under the Template section.

#### \*\*\*\* File Location

This specifies where within a file the copyright notice is to be placed.

#### \*\*\*\*\* Java

The copyright notice can be placed in one of the following locations:

- At the start of the file before the "package" statement.
- Between the package statement and any imports.
- Between the imports and the first top level class (before the class' Javadoc comment, if present).

#### \*\*\*\*\* XML/DTD/HTML/xHTML/JSP/JSPx

The copyright notice can be placed in one of the following locations:

- Before the <!DOCTYPE> specification.
- Before the first tag of the document.

#### \*\*\*\*\* All Other File Types

For all other file types the copyright notice must appear in the beginning of the file before any non-comment, non-whitespace content.

#### \* Multi-Comment Notices and Blank Lines

A copyright notice may contain multiple comments. This is a given when using line comments and the copyright notice contains more than one line of text. You can also have multiple block comments in a single copyright notice. This can only happen when using a Fully Custom copyright notice. A Fully Custom copyright notice also allows for any combination of line and block comments to be used.

There is one very important consideration though when your copyright notice contains multiple comments - there can't be any blank lines between any of the comments. Note - this doesn't mean there can't be blank lines in the copyright notice. They just need to be within a block comment.

If you have a Fully Custom copyright notice with multiple comments and you place blank lines between any of them, you will most likely get undesirable effects when you perform copyright updates on files of that type.

#### \* Menus

The option to update the copyright notice will appear in the following locations:

- At the end of the context menu for a supported file in the project tree.
- At the end of the context menu for a supported file in the packages tree.
- At the end of the context menu for a supported file in an editor.
- At the end of the context menu for a directory in the project tree.
- At the end of the context menu for a package in the packages tree.
- At the end of the context menu for a module in the packages tree.
- At the end of the context menu for a module in the project tree.
- At the end of the Code menu if the current editor contains a supported file.
- At the end of the Generate popup menu if the current editor contains a supported file.

Selecting a file or directory in the project tree works just like Optimize Imports. You will have the option of updating a single file or the whole directory.

New files will automatically have the correct copyright notice applied to them if the file is a supported type and the file type has copyright notices enabled.

#### \* Copyright Template

The contents of the copyright notice can be plain text or a Velocity template. See <http://jakarta.apache.org/velocity> for more information on Velocity and see <http://jakarta.apache.org/velocity/user-guide.html> for more details on writing Velocity templates.

Currently the following variables are available in the Velocity context:

Name	Type	Comment
\$today	DateInfo	Represents the current date and time
\$file.fileName	String	The current file's name
\$file.pathName	String	The current file's complete path and name
\$file.className	String	The current java file's classname
\$file.qualifiedClassName	String	The current java file's fully qualified name
\$file.lastModified	DateInfo	The date and time the file was last changed
\$project.name	String	The current project's name
\$module.name	String	The current module's name
\$username	String	The user's name

DateInfo has the following properties:

Name	Type	Comment
year	int	The date's year
month	int	The date's month (1 - 12)
day	int	The date's day of month (1 - 31)
hour	int	The date's hour (0 - 23)
minute	int	The date's minute of the hour (0 - 59)
second	int	The date's second of the minute (0 - 59)

DateInfo has the following method:

Name	Type	Comment
format(String format)	String	See java.text.SimpleDateFormat format options

```

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 * =====
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JUnit

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 \*/  
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 <module type="JAVA\_MODULE" version="4">  
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 <exclude-output />  
 <content url="file://\$MODULE\_DIR\$">  
 <sourceFolder url="file://\$MODULE\_DIR\$" isTestSource="true" />

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</content>
<orderEntry type="inheritedJdk" />
<orderEntry type="sourceFolder" forTests="false" />
<orderEntry type="module" module-name="intellij.sh" />
<orderEntry type="module" module-name="intellij.copyright" scope="TEST" />
<orderEntry type="module" module-name="intellij.platform.testFramework" scope="TEST" />
</component>
</module>
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```
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```

```
import com.intellij.ui.dsl.builder.panel
```

```
import javax.swing.JCheckBox
```

```
class UpdateCopyrightAdditionalUi {
```

```
    lateinit var updateExistingCopyrightsCb: JCheckBox
```

```
    val panel = panel {
```

```
        row {
```

```
            updateExistingCopyrightsCb =
```

```
checkbox(CopyrightBundle.message("checkbox.text.update.existing.copyrights")).component
```

```
        }
```

```
    }
```

```
}
```

```

<?xml version="1.0" encoding="UTF-8"?>
<module type="JAVA_MODULE" version="4">
  <component name="NewModuleRootManager" inherit-compiler-output="true">
    <exclude-output />
    <content url="file://$MODULE_DIR$">
      <sourceFolder url="file://$MODULE_DIR$/resources" type="java-resource" />
      <sourceFolder url="file://$MODULE_DIR$/src" isTestSource="false" />
    </content>
    <orderEntry type="inheritedJdk" />
    <orderEntry type="sourceFolder" forTests="false" />
    <orderEntry type="module" module-name="intellij.copyright" />
    <orderEntry type="module" module-name="intellij.sh.core" />
    <orderEntry type="module" module-name="intellij.platform.core.impl" />
  </component>
</module>
/*
 * Copyright notice
 * Over multiple lines
 */

fun some() { }
// Copyright 2000-2022 JetBrains s.r.o. and contributors. Use of this source code is governed by the Apache 2.0
license that can be found in the LICENSE file.

package org.jetbrains.kotlin.idea.completion.contributors

import com.intellij.psi.PsiElement
import com.intellij.psi.util.parents
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.components.KtExtensionApplicabilityResult
import org.jetbrains.kotlin.analysis.api.components.KtScopeContext
import org.jetbrains.kotlin.analysis.api.components.KtScopeKind
import org.jetbrains.kotlin.analysis.api.lifetime.KtLifetimeOwner
import org.jetbrains.kotlin.analysis.api.lifetime.KtLifetimeToken
import org.jetbrains.kotlin.analysis.api.lifetime.withValidityAssertion
import org.jetbrains.kotlin.analysis.api.scopes.KtScope
import org.jetbrains.kotlin.analysis.api.signatures.KtCallableSignature
import org.jetbrains.kotlin.analysis.api.signatures.KtFunctionLikeSignature
import org.jetbrains.kotlin.analysis.api.symbols.*
import org.jetbrains.kotlin.analysis.api.types.KtErrorType
import org.jetbrains.kotlin.analysis.api.types.KtFunctionalType
import org.jetbrains.kotlin.analysis.api.types.KtNonErrorClassType
import org.jetbrains.kotlin.analysis.api.types.KtType
import org.jetbrains.kotlin.config.LanguageFeature
import org.jetbrains.kotlin.idea.base.fir.codeInsight.HLIndexHelper
import org.jetbrains.kotlin.idea.base.projectStructure.languageVersionSettings
import org.jetbrains.kotlin.idea.completion.checkers.ApplicableExtension
import org.jetbrains.kotlin.idea.completion.checkers.CompletionVisibilityChecker

```

```

import org.jetbrains.kotlin.idea.completion.checkers.ExtensionApplicabilityChecker
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirNameReferencePositionContext
import org.jetbrains.kotlin.idea.completion.contributors.helpers.*
import org.jetbrains.kotlin.idea.completion.contributors.helpers.ShadowedCallablesFilter
import org.jetbrains.kotlin.idea.completion.lookups.CallableInsertionOptions
import org.jetbrains.kotlin.idea.completion.lookups.CallableInsertionStrategy
import org.jetbrains.kotlin.idea.completion.lookups.ImportStrategy
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.psi.*
import org.jetbrains.kotlin.psi.psiUtil.nextSiblingOfSameType

internal open class FirCallableCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int,
) : FirCompletionContributorBase<FirNameReferencePositionContext>(basicContext, priority) {
    private val typeNamesProvider = TypeNamesProvider(indexHelper)

    protected open fun KtAnalysisSession.getInsertionStrategy(signature: KtCallableSignature<*>):
    CallableInsertionStrategy =
        when (signature) {
            is KtFunctionLikeSignature<*> -> CallableInsertionStrategy.AsCall
            else -> CallableInsertionStrategy.AsIdentifier
        }

    protected open fun KtAnalysisSession.getInsertionStrategyForExtensionFunction(
        signature: KtCallableSignature<*>,
        applicabilityResult: KtExtensionApplicabilityResult
    ): CallableInsertionStrategy? = when (applicabilityResult) {
        is KtExtensionApplicabilityResult.ApplicableAsExtensionCallable -> getInsertionStrategy(signature)
        is KtExtensionApplicabilityResult.ApplicableAsFunctionalVariableCall -> CallableInsertionStrategy.AsCall
        is KtExtensionApplicabilityResult.NonApplicable -> null
    }

    protected fun KtAnalysisSession.getOptions(
        signature: KtCallableSignature<*>,
        noImportRequired: Boolean = false
    ): CallableInsertionOptions {
        val importStrategy = when {
            noImportRequired -> ImportStrategy.DoNothing
            else -> importStrategyDetector.detectImportStrategyForCallableSymbol(signature.symbol)
        }
        return CallableInsertionOptions(importStrategy, getInsertionStrategy(signature))
    }

    private fun KtAnalysisSession.getExtensionOptions(
        signature: KtCallableSignature<*>,
        applicability: KtExtensionApplicabilityResult

```

```

): CallableInsertionOptions? {
    val insertionStrategy = getInsertionStrategyForExtensionFunction(signature, applicability) ?: return null
    val isFunctionalVariableCall = applicability.is
KtExtensionApplicabilityResult.ApplicableAsFunctionalVariableCall
    val importStrategy = importStrategyDetector.detectImportStrategyForCallableSymbol(signature.symbol,
isFunctionalVariableCall)
    return CallableInsertionOptions(importStrategy, insertionStrategy)
}

```

```
protected open fun KtAnalysisSession.filter(symbol: KtCallableSymbol): Boolean = true
```

```
private val shouldCompleteTopLevelCallablesFromIndex: Boolean
    get() = prefixMatcher.prefix.isNotEmpty()
```

```
protected val excludeEnumEntries =
    !basicContext.project.languageVersionSettings.supportsFeature(LanguageFeature.EnumEntries)
```

```
protected data class CallableWithMetadataForCompletion(
    private val _signature: KtCallableSignature<*>,
    private val _explicitReceiverTypeHint: KtType?,
    val options: CallableInsertionOptions,
    val symbolOrigin: CompletionSymbolOrigin,
    val withExpectedType: Boolean,
) : KtLifetimeOwner {
    override val token: KtLifetimeToken
        get() = _signature.token
    val signature: KtCallableSignature<*> get() = withValidityAssertion { _signature }
    val explicitReceiverTypeHint: KtType? get() = withValidityAssertion { _explicitReceiverTypeHint }
}

```

```
override fun KtAnalysisSession.complete(
    positionContext: FirNameReferencePositionContext,
    weighingContext: WeighingContext
): Unit = with(positionContext) {
    val visibilityChecker = CompletionVisibilityChecker.create(basicContext, positionContext)
    val scopesContext = originalKtFile.getScopeContextForPosition(nameExpression)

    val extensionChecker = object : ExtensionApplicabilityChecker {
        context(KtAnalysisSession)
        override fun checkApplicability(symbol: KtCallableSymbol): KtExtensionApplicabilityResult {
            return symbol.checkExtensionIsSuitable(originalKtFile, nameExpression, explicitReceiver)
        }
    }
}

```

```
val receiver = explicitReceiver
val weighingContextWithoutExpectedType = weighingContext.withoutExpectedType()
```

```
val callablesWithMetadata: Sequence<CallableWithMetadataForCompletion> = when {
```

```

        receiver != null -> collectDotCompletion(scopesContext, receiver, extensionChecker, visibilityChecker)
        else -> completeWithoutReceiver(scopesContext, extensionChecker, visibilityChecker)
    }
    .filterOutShadowedCallables()
    .filterOutUninitializedCallables(positionContext.position)

    for (callableWithMetadata in callablesWithMetadata) {
        val context = if (callableWithMetadata.withExpectedType) weighingContext else
weighingContextWithoutExpectedType
        addCallableSymbolToCompletion(
            context,
            callableWithMetadata.signature,
            callableWithMetadata.options,
            callableWithMetadata.symbolOrigin,
            priority = null,
            callableWithMetadata.explicitReceiverTypeHint)
    }
}

```

```

private fun KtAnalysisSession.completeWithoutReceiver(
    scopeContext: KtScopeContext,
    extensionChecker: ExtensionApplicabilityChecker,
    visibilityChecker: CompletionVisibilityChecker,
): Sequence<CallableWithMetadataForCompletion> = sequence {
    val implicitReceivers = scopeContext.implicitReceivers
    val implicitReceiversTypes = implicitReceivers.map { it.type }

    val availableNonExtensions = collectNonExtensionsFromScopeContext(
        scopeContext,
        visibilityChecker,
        scopeNameFilter,
        excludeEnumEntries,
    ) { filter(it) }
    val extensionsWhichCanBeCalled = collectSuitableExtensions(scopeContext, extensionChecker,
visibilityChecker)

```

```

// TODO: consider relying on tower resolver when populating callable entries. For example
// val Int.foo : ...
// val Number.foo : ...
// val String.foo : ...
// fun String.test() {
//     with(1) {
//         val foo = ...
//         fo<caret>
//     }
// }
// completion should be able to all of the `foo` by inserting proper qualifiers:
// foo -> foo

```

```

// Int.foo -> this.foo
// Number.foo -> (this as Number).foo
// String.foo -> this@test.foo
//
availableNonExtensions.forEach { yield(createCallableWithMetadata(it.signature, it.scopeKind)) }

extensionsWhichCanBeCalled.forEach { (signatureWithScopeKind, applicabilityResult) ->
    val signature = signatureWithScopeKind.signature
    getExtensionOptions(signature, applicabilityResult)?.let {
        yield(createCallableWithMetadata(signature, signatureWithScopeKind.scopeKind, options = it))
    }
}

if (shouldCompleteTopLevelCallablesFromIndex) {
    val topLevelCallables = indexHelper.getTopLevelCallables(scopeNameFilter)
    val callablesFromIndex = topLevelCallables.asSequence()
        .filterNot { it.canDefinitelyNotBeSeenFromOtherFile() }
        .filter { it.canBeAnalysed() }
        .map { it.getSymbol() as KtCallableSymbol }

    val callablesFromExtensions =
getResolveExtensionScopeWithTopLevelDeclarations().getCallableSymbols(scopeNameFilter)

    (callablesFromIndex + callablesFromExtensions)
        .filterNot { it.isExtension } // extensions should be collected and checked with
`collectTopLevelExtensionsFromIndices`
        .forEach { yield(createCallableWithMetadata(it.asSignature(), CompletionSymbolOrigin.Index)) }
}

collectTopLevelExtensionsFromIndexAndResolveExtensionScope(implicitReceiversTypes, extensionChecker,
visibilityChecker)
    .forEach { (signature, applicabilityResult) ->
        val extensionOptions = getExtensionOptions(signature, applicabilityResult) ?: return@forEach
        yield(createCallableWithMetadata(signature, CompletionSymbolOrigin.Index, extensionOptions))
    }
}

protected open fun KtAnalysisSession.collectDotCompletion(
    scopeContext: KtScopeContext,
    explicitReceiver: KtExpression,
    extensionChecker: ExtensionApplicabilityChecker,
    visibilityChecker: CompletionVisibilityChecker,
): Sequence<CallableWithMetadataForCompletion> {
    val symbol = explicitReceiver.reference()?.resolveToSymbol()
    return when {
        symbol is KtPackageSymbol -> collectDotCompletionForPackageReceiver(symbol, visibilityChecker)

        symbol is KtNamedClassOrObjectSymbol && symbol.hasImportantStaticMemberScope -> sequence {

```

```

        if (symbol.classKind == KtClassKind.ENUM_CLASS) {
            yieldAll(collectDotCompletionForCallableReceiver(scopeContext, explicitReceiver, extensionChecker,
visibilityChecker))
        }

        val staticScope = symbol.getStaticMemberScope()
        val staticScopeKind =
KtScopeKind.StaticMemberScope(CompletionSymbolOrigin.SCOPE_OUTSIDE_TOWER_INDEX)

        val nonExtensions = collectNonExtensionsFromScope(
            staticScope,
            visibilityChecker,
            scopeNameFilter,
            excludeEnumEntries,
        )

        nonExtensions.forEach { member ->
            val options = CallableInsertionOptions(ImportStrategy.DoNothing, getInsertionStrategy(member))
            yield(createCallableWithMetadata(member, staticScopeKind, options = options))
        }
    }

    symbol is KtNamedClassOrObjectSymbol && !symbol.canBeUsedAsReceiver -> {
        // symbol cannot be used as callable receiver
        emptySequence()
    }

    else -> collectDotCompletionForCallableReceiver(scopeContext, explicitReceiver, extensionChecker,
visibilityChecker)
}
}

private val KtNamedClassOrObjectSymbol.hasImportantStaticMemberScope: Boolean
get() = classKind == KtClassKind.ENUM_CLASS ||
origin == KtSymbolOrigin.JAVA

private val KtNamedClassOrObjectSymbol.canBeUsedAsReceiver: Boolean
get() = classKind.isObject || companionObject != null

private fun KtAnalysisSession.collectDotCompletionForPackageReceiver(
    packageSymbol: KtPackageSymbol,
    visibilityChecker: CompletionVisibilityChecker
): Sequence<CallableWithMetadataForCompletion> {
    val packageScope = packageSymbol.getPackageScope()
    val packageScopeKind =
KtScopeKind.PackageMemberScope(CompletionSymbolOrigin.SCOPE_OUTSIDE_TOWER_INDEX)

    return packageScope

```

```

        .getCallableSymbols(scopeNameFilter)
        .filterNot { it.isExtension }
        .filter { visibilityChecker.isVisible(it) }
        .filter { filter(it) }
        .map { callable ->
            val callableSignature = callable.asSignature()
            val options = CallableInsertionOptions(ImportStrategy.DoNothing,
getInsertionStrategy(callableSignature))
            createCallableWithMetadata(callableSignature, packageScopeKind, options = options)
        }
    }
}

```

```

protected fun KtAnalysisSession.collectDotCompletionForCallableReceiver(
    scopeContext: KtScopeContext,
    explicitReceiver: KtExpression,
    extensionChecker: ExtensionApplicabilityChecker,
    visibilityChecker: CompletionVisibilityChecker,
    allowSyntheticJavaProperties: Boolean = true,
): Sequence<CallableWithMetadataForCompletion> = sequence {
    val smartCastInfo = explicitReceiver.getSmartCastInfo()
    if (smartCastInfo?.isStable == false) {
        // Collect members available from unstable smartcast as well.
        val callablesWithMetadataFromUnstableSmartCast = collectDotCompletionForCallableReceiver(
            smartCastInfo.smartCastType,
            visibilityChecker,
            scopeContext,
            extensionChecker,
            allowSyntheticJavaProperties,
            // Only offer the hint if the type is denotable.
            smartCastInfo.smartCastType.takeIf { it.approximateToSuperPublicDenotable(true) == null }
        )
        yieldAll(callablesWithMetadataFromUnstableSmartCast)
    }
}

```

```

val receiverType = explicitReceiver.getKtType().takeUnless { it is KtErrorType } ?: return@sequence
val callablesWithMetadata = collectDotCompletionForCallableReceiver(
    receiverType,
    visibilityChecker,
    scopeContext,
    extensionChecker,
    allowSyntheticJavaProperties
)
yieldAll(callablesWithMetadata)
}

```

```

private fun KtAnalysisSession.collectDotCompletionForCallableReceiver(
    typeOfPossibleReceiver: KtType,
    visibilityChecker: CompletionVisibilityChecker,

```

```

scopeContext: KtScopeContext,
extensionChecker: ExtensionApplicabilityChecker,
allowSyntheticJavaProperties: Boolean = true,
explicitReceiverTypeHint: KtType? = null
): Sequence<CallableWithMetadataForCompletion> = sequence {
    val nonExtensionMembers = collectNonExtensionsForType(
        typeOfPossibleReceiver,
        visibilityChecker,
        scopeNameFilter,
        excludeEnumEntries,
        withSyntheticJavaProperties = allowSyntheticJavaProperties
    ) { filter(it) }
    val extensionNonMembers = collectSuitableExtensions(scopeContext, extensionChecker, visibilityChecker,
typeOfPossibleReceiver)

    nonExtensionMembers.forEach { signatureWithScopeKind ->
        val callableWithMetadata = createCallableWithMetadata(
            signatureWithScopeKind.signature,
            signatureWithScopeKind.scopeKind,
            noImportRequired = true,
            explicitReceiverTypeHint = explicitReceiverTypeHint
        )
        yield(callableWithMetadata)
    }

    extensionNonMembers.forEach { (signatureWithScopeKind, applicabilityResult) ->
        val signature = signatureWithScopeKind.signature
        val scopeKind = signatureWithScopeKind.scopeKind
        getExtensionOptions(signature, applicabilityResult)?.let {
            yield(createCallableWithMetadata(signature, scopeKind, noImportRequired = false, options = it,
explicitReceiverTypeHint))
        }
    }
}

collectTopLevelExtensionsFromIndexAndResolveExtensionScope(listOf(typeOfPossibleReceiver),
extensionChecker, visibilityChecker)
    .filter { (signature, _) -> filter(signature.symbol) }
    .forEach { (signature, applicabilityResult) ->
        val extensionOptions = getExtensionOptions(signature, applicabilityResult) ?: return@forEach
        val callableWithMetadata = createCallableWithMetadata(
            signature,
            CompletionSymbolOrigin.Index,
            extensionOptions,
            explicitReceiverTypeHint = explicitReceiverTypeHint
        )
        yield(callableWithMetadata)
    }
}

```

```

private fun KtAnalysisSession.collectTopLevelExtensionsFromIndexAndResolveExtensionScope(
    receiverTypes: List<KtType>,
    extensionChecker: ExtensionApplicabilityChecker,
    visibilityChecker: CompletionVisibilityChecker,
): Collection<ApplicableExtension> {
    if (receiverTypes.isEmpty()) return emptyList()

    val implicitReceiverNames = findAllNamesOfTypes(receiverTypes)
    val topLevelExtensionsFromIndex = indexHelper.getTopLevelExtensions(scopeNameFilter,
implicitReceiverNames)
        .filterNot { it.canDefinitelyNotBeSeenFromOtherFile() }
        .filter { it.canBeAnalysed() }
        .map { it.getSymbol() as KtCallableSymbol }

    val resolveExtensionScope = getResolveExtensionScopeWithTopLevelDeclarations()
    val topLevelExtensionsFromResolveExtension =
resolveExtensionScope.getCallableSymbols(scopeNameFilter).filter { it.isExtension }

    return (topLevelExtensionsFromIndex + topLevelExtensionsFromResolveExtension)
        .filter { filter(it) }
        .filter { visibilityChecker.isVisible(it) }
        .mapNotNull { checkApplicabilityAndSubstitute(it, extensionChecker) }
        .let { ShadowedCallablesFilter.sortExtensions(it, receiverTypes) }
}

private fun KtAnalysisSession.collectSuitableExtensions(
    scopeContext: KtScopeContext,
    extensionChecker: ExtensionApplicabilityChecker,
    visibilityChecker: CompletionVisibilityChecker,
    explicitReceiverType: KtType? = null,
): Sequence<Pair<KtCallableSignatureWithContainingScopeKind, KtExtensionApplicabilityResult.Applicable>>
{
    val receiversTypes = explicitReceiverType?.let { listOf(it) } ?: scopeContext.implicitReceivers.map { it.type }

    return scopeContext.scopes.asSequence().flatMap { scopeWithKind ->
        val extensions = collectSuitableExtensions(scopeWithKind.scope, receiversTypes, extensionChecker,
visibilityChecker)
            extensions.map { (signature, applicability) ->
                KtCallableSignatureWithContainingScopeKind(signature, scopeWithKind.kind) to applicability
            }
        }
}

private fun KtAnalysisSession.collectSuitableExtensions(
    scope: KtScope,
    receiverTypes: List<KtType>,
    hasSuitableExtensionReceiver: ExtensionApplicabilityChecker,

```

```

visibilityChecker: CompletionVisibilityChecker,
): Collection<ApplicableExtension> =
    scope.getCallableSymbols(scopeNameFilter)
        .filter { it.isExtension || it is KtVariableLikeSymbol && (it.returnType as? KtFunctionalType)?.hasReceiver
== true }
        .filter { visibilityChecker.isVisible(it) }
        .filter { filter(it) }
        .mapNotNull { callable -> checkApplicabilityAndSubstitute(callable, hasSuitableExtensionReceiver) }
        .let { ShadowedCallablesFilter.sortExtensions(it.toList(), receiverTypes) }

/**
 * If [callableSymbol] is applicable returns substituted signature and applicability result, otherwise, null.
 */
context(KtAnalysisSession)
private fun checkApplicabilityAndSubstitute(
    callableSymbol: KtCallableSymbol,
    extensionChecker: ExtensionApplicabilityChecker
): ApplicableExtension? {
    val applicabilityResult = extensionChecker.checkApplicability(callableSymbol)
    return if (applicabilityResult is KtExtensionApplicabilityResult.Applicable) {
        ApplicableExtension(callableSymbol.substitute(applicabilityResult.substitutor), applicabilityResult)
    } else null
}

private fun KtAnalysisSession.findAllNamesOfTypes(implicitReceiversTypes: List<KtType>) =
    implicitReceiversTypes.flatMapTo(hashSetOf()) { typeNamesProvider.findAllNames(it) }

context(KtAnalysisSession)
protected fun createCallableWithMetadata(
    signature: KtCallableSignature<*>,
    scopeKind: KtScopeKind,
    noImportRequired: Boolean = false,
    options: CallableInsertionOptions = getOptions(signature, noImportRequired),
    explicitReceiverTypeHint: KtType? = null,
    withExpectedType: Boolean = true,
): CallableWithMetadataForCompletion {
    val symbolOrigin = CompletionSymbolOrigin.Scope(scopeKind)
    return CallableWithMetadataForCompletion(signature, explicitReceiverTypeHint, options, symbolOrigin,
withExpectedType)
}

context(KtAnalysisSession)
protected fun createCallableWithMetadata(
    signature: KtCallableSignature<*>,
    symbolOrigin: CompletionSymbolOrigin,
    options: CallableInsertionOptions = getOptions(signature),
    explicitReceiverTypeHint: KtType? = null,
    withExpectedType: Boolean = true,

```

```
) = CallableWithMetadataForCompletion(signature, explicitReceiverTypeHint, options, symbolOrigin,
withExpectedType)
```

```
context(KtAnalysisSession)
private fun Sequence<CallableWithMetadataForCompletion>.filterOutUninitializedCallables(
    position: PsiElement
): Sequence<CallableWithMetadataForCompletion> {
    val uninitializedCallablesForPosition = collectUninitializedCallablesForPosition(position)
    return filterNot { it.signature.symbol.psi in uninitializedCallablesForPosition }
}
```

```
context(KtAnalysisSession)
private fun collectUninitializedCallablesForPosition(position: PsiElement): Set<KtCallableDeclaration> =
buildSet {
    for (parent in position.parents(withSelf = false)) {
        val grandParent = parent.parent
        when (grandParent) {
            is KtParameter -> {
                if (grandParent.defaultValue == parent) {
                    // Filter out current parameter and all parameters initialized after current parameter. In the following
example:
                    //```
                    // fun test(a, b: Int = <caret>, c: Int) {}
                    //```
                    // `a` and `b` should not show up in completion.
                    val originalOrSelf = getOriginalDeclarationOrSelf(grandParent)
                    originalOrSelf.getNextParametersWithSelf().forEach { add(it) }
                }
            }
            is KtProperty -> if (grandParent.initializer == parent) add(getOriginalDeclarationOrSelf(grandParent))
        }

        if (parent is KtDeclaration) break // we can use variable inside lambda or anonymous object located in its
initializer
    }
}
```

```
private inline fun <reified T : KtDeclaration> KtAnalysisSession.getOriginalDeclarationOrSelf(declaration: T): T
=
    declaration.getOriginalDeclaration() as? T ?: declaration
```

```
private fun KtParameter.getNextParametersWithSelf(): Sequence<KtParameter> = generateSequence({ this }, {
it.nextSiblingOfSameType() })
```

```
context(KtAnalysisSession)
private fun Sequence<CallableWithMetadataForCompletion>.filterOutShadowedCallables():
Sequence<CallableWithMetadataForCompletion> =
```

```

sequence {
    val shadowedCallablesFilter = ShadowedCallablesFilter()

    for (callableWithMetadata in this@filterOutShadowedCallables) {
        val excludeFromCompletion = shadowedCallablesFilter.excludeFromCompletion(
            callableWithMetadata.signature,
            callableWithMetadata.options,
            callableWithMetadata.symbolOrigin,
        )
        if (!excludeFromCompletion) yield(callableWithMetadata)
    }
}

internal class FirCallableReferenceCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int
) : FirCallableCompletionContributor(basicContext, priority) {

    override fun KtAnalysisSession.getInsertionStrategy(signature: KtCallableSignature<*>):
    CallableInsertionStrategy =
        CallableInsertionStrategy.AsIdentifier

    override fun KtAnalysisSession.getInsertionStrategyForExtensionFunction(
        signature: KtCallableSignature<*>,
        applicabilityResult: KtExtensionApplicabilityResult
    ): CallableInsertionStrategy? = when (applicabilityResult) {
        is KtExtensionApplicabilityResult.ApplicableAsExtensionCallable -> CallableInsertionStrategy.AsIdentifier
        is KtExtensionApplicabilityResult.ApplicableAsFunctionalVariableCall -> null
        is KtExtensionApplicabilityResult.NonApplicable -> null
    }

    override fun KtAnalysisSession.collectDotCompletion(
        scopeContext: KtScopeContext,
        explicitReceiver: KtExpression,
        extensionChecker: ExtensionApplicabilityChecker,
        visibilityChecker: CompletionVisibilityChecker
    ): Sequence<CallableWithMetadataForCompletion> {
        val allowSyntheticJavaProperties =
explicitReceiver.languageVersionSettings.supportsFeature(LanguageFeature.ReferencesToSyntheticJavaProperties)
        return when (val symbol = explicitReceiver.reference()?.resolveToSymbol()) {
            is KtPackageSymbol -> emptySequence()
            is KtNamedClassOrObjectSymbol -> sequence {
                val type = symbol.buildSelfClassType()
                val nonExtensionMembers = collectNonExtensionsForType(
                    type,
                    visibilityChecker,
                    scopeNameFilter,
                )
            }
        }
    }
}

```

```

        excludeEnumEntries,
        withSyntheticJavaProperties = allowSyntheticJavaProperties
    ) { filter(it) }

    val staticScope = listOfNotNull(symbol.companionObject?.getMemberScope(),
symbol.getStaticMemberScope()).asCompositeScope()
    val staticScopeKind =
KtScopeKind.StaticMemberScope(CompletionSymbolOrigin.SCOPE_OUTSIDE_TOWER_INDEX)
    val staticMembers = collectNonExtensionsFromScope(
        staticScope,
        visibilityChecker,
        scopeNameFilter,
        excludeEnumEntries
    ) { filter(it) }.map { KtCallableSignatureWithContainingScopeKind(it, staticScopeKind) }

    (nonExtensionMembers + staticMembers).forEach {
        yield(createCallableWithMetadata(it.signature, it.scopeKind, noImportRequired = true,
withExpectedType = false))
    }
}

else -> {
    collectDotCompletionForCallableReceiver(
        scopeContext,
        explicitReceiver,
        extensionChecker,
        visibilityChecker,
        allowSyntheticJavaProperties
    )
}
}
}
}

internal class FirInfixCallableCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int
): FirCallableCompletionContributor(basicContext, priority) {
    override fun KtAnalysisSession.getInsertionStrategy(signature: KtCallableSignature<*>):
CallableInsertionStrategy =
        insertionStrategy

    override fun KtAnalysisSession.getInsertionStrategyForExtensionFunction(
        signature: KtCallableSignature<*>,
        applicabilityResult: KtExtensionApplicabilityResult
    ): CallableInsertionStrategy? = when (applicabilityResult) {
        is KtExtensionApplicabilityResult.ApplicableAsExtensionCallable -> getInsertionStrategy(signature)
        is KtExtensionApplicabilityResult.ApplicableAsFunctionalVariableCall -> null
    }
}

```

```

    is KtExtensionApplicabilityResult.NonApplicable -> null
}

override fun KtAnalysisSession.filter(symbol: KtCallableSymbol): Boolean {
    return symbol is KtFunctionSymbol && symbol.isInfix
}

companion object {
    private val insertionStrategy = CallableInsertionStrategy.AsIdentifierCustom {
        insertSymbolAndInvokeCompletion(" ")
    }
}

private class TypeNamesProvider(private val indexHelper: HLIndexHelper) {
    context(KtAnalysisSession)
    fun findAllNames(type: KtType): Set<String> {
        if (type !is KtNonErrorClassType) return emptySet()

        val typeName = type.classId.shortClassName.let {
            if (it.isSpecial) return emptySet()
            it.identifier
        }

        val result = hashSetOf<String>()
        result += typeName
        result += indexHelper.getPossibleTypeAliasExpansionNames(typeName)

        val superTypes = (type.classSymbol as? KtClassOrObjectSymbol)?.superTypes
        superTypes?.forEach { superType ->
            result += findAllNames(superType)
        }

        return result
    }
}

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package com.intellij.copyright

import com.intellij.concurrency.ConcurrentCollectionFactory
import com.intellij.configurationStore.*
import com.intellij.openapi.application.AppUIExecutor
import com.intellij.openapi.application.ApplicationManager
import com.intellij.openapi.application.ModalityState
import com.intellij.openapi.components.*
import com.intellij.openapi.diagnostic.logger
import com.intellij.openapi.editor.EditorFactory

```

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import com.intellij.openapi.editor.event.DocumentEvent
import com.intellij.openapi.editor.event.DocumentListener
import com.intellij.openapi.fileEditor.FileDocumentManager
import com.intellij.openapi.options.SchemeManagerFactory
import com.intellij.openapi.project.Project
import com.intellij.openapi.project.ProjectManager
import com.intellij.openapi.roots.ProjectRootManager
import com.intellij.openapi.util.InvalidDataException
import com.intellij.openapi.util.WriteExternalException
import com.intellij.openapi.util.text.StringUtil
import com.intellij.openapi.vfs.VirtualFile
import com.intellij.openapi.vfs.newvfs.BulkFileListener
import com.intellij.openapi.vfs.newvfs.events.VFileCreateEvent
import com.intellij.openapi.vfs.newvfs.events.VFileEvent
import com.intellij.openapi.vfs.newvfs.events.VFileMoveEvent
import com.intellij.packageDependencies.DependencyValidationManager
import com.intellij.project.isDirectoryBased
import com.intellij.psi.PsiFile
import com.intellij.psi.PsiManager
import com.intellij.serviceContainer.NonInjectable
import com.maddyhome.idea.copyright.CopyrightProfile
import com.maddyhome.idea.copyright.actions.UpdateCopyrightProcessor
import com.maddyhome.idea.copyright.options.LanguageOptions
import com.maddyhome.idea.copyright.options.Options
import com.maddyhome.idea.copyright.util.FileTypeUtil
import org.jdom.Element
import org.jetbrains.annotations.TestOnly
import java.util.concurrent.atomic.AtomicBoolean
import java.util.function.Function

private const val DEFAULT = "default"
private const val MODULE_TO_COPYRIGHT = "module2copyright"
private const val COPYRIGHT = "copyright"
private const val ELEMENT = "element"
private const val MODULE = "module"

private val LOG = logger<CopyrightManager>()

@State(name = "CopyrightManager", storages = [(Storage(value = "copyright/profiles_settings.xml", exclusive = true))])
class CopyrightManager @NonInjectable constructor(private val project: Project, schemeManagerFactory: SchemeManagerFactory, isSupportIprProjects: Boolean = true) : PersistentStateComponent<Element> {
    companion object {
        @JvmStatic
        fun getInstance(project: Project) = project.service<CopyrightManager>()
    }

    constructor(project: Project) : this(project, SchemeManagerFactory.getInstance(project))

```

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private var defaultCopyrightName: String? = null

var defaultCopyright: CopyrightProfile?
    get() = defaultCopyrightName?.let { schemeManager.findSchemeByName(it)?.scheme }
    set(value) {
        defaultCopyrightName = value?.name
    }

val scopeToCopyright = LinkedHashMap<String, String>()
val options = Options()

private val schemeWriter = { scheme: CopyrightProfile ->
    val element = scheme.writeScheme()
    if (project.isDirectoryBased) wrapScheme(element) else element
}

private val schemeManagerIprProvider = if (project.isDirectoryBased || !isSupportIprProjects) null else
SchemeManagerIprProvider("copyright")

private val schemeManager = schemeManagerFactory.create("copyright", object :
LazySchemeProcessor<SchemeWrapper<CopyrightProfile>, SchemeWrapper<CopyrightProfile>>("myName") {
    override fun createScheme(dataHolder: SchemeDataHolder<SchemeWrapper<CopyrightProfile>>,
        name: String,
        attributeProvider: (String) -> String?,
        isBundled: Boolean): SchemeWrapper<CopyrightProfile> {
        return CopyrightLazySchemeWrapper(name, dataHolder, schemeWriter)
    }
})

override fun isSchemeFile(name: CharSequence) = !StringUtil.equals(name, "profiles_settings.xml")

override fun getSchemeKey(attributeProvider: Function<String, String?>, fileNameWithoutExtension: String):
String {
    val schemeKey = super.getSchemeKey(attributeProvider, fileNameWithoutExtension)
    if (schemeKey != null) {
        return schemeKey
    }
    LOG.warn("Name is not specified for scheme $fileNameWithoutExtension, file name will be used instead")
    return fileNameWithoutExtension
}
}, schemeNameToFileName = OLD_NAME_CONVERTER, streamProvider = schemeManagerIprProvider)

init {
    val app = ApplicationManager.getApplication()
    if (project.isDirectoryBased || !app.isUnitTestMode) {
        schemeManager.loadSchemes()
    }
}

```

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@TestOnly
fun loadSchemes() {
    LOG.assertTrue(ApplicationManager.getApplication().isUnitTestMode)
    schemeManager.loadSchemes()
}

fun mapCopyright(scopeName: String, copyrightProfileName: String) {
    scopeToCopyright.put(scopeName, copyrightProfileName)
}

fun unmapCopyright(scopeName: String) {
    scopeToCopyright.remove(scopeName)
}

fun hasAnyCopyrights(): Boolean {
    return defaultCopyrightName != null || !scopeToCopyright.isEmpty()
}

override fun getState(): Element? {
    val result = Element("settings")
    try {
        schemeManagerIprProvider?.writeState(result)

        if (!scopeToCopyright.isEmpty()) {
            val map = Element(MODULE_TO_COPYRIGHT)
            for ((scopeName, profileName) in scopeToCopyright) {
                val e = Element(ELEMENT)
                e
                    .setAttribute(MODULE, scopeName)
                    .setAttribute(COPYRIGHT, profileName)
                map.addContent(e)
            }
            result.addContent(map)
        }

        options.writeExternal(result)
    }
    catch (e: WriteExternalException) {
        LOG.error(e)
        return null
    }

    defaultCopyrightName?.let {
        result.setAttribute(DEFAULT, it)
    }

    return wrapState(result, project)
}

```

```

}

override fun loadState(state: Element) {
    val data = unwrapState(state, project, schemeManagerIprProvider, schemeManager) ?: return
    data.getChild(MODULE_TO_COPYRIGHT)?.let {
        for (element in it.getChildren(ELEMENT)) {
            scopeToCopyright.put(element.getAttributeValue(MODULE), element.getAttributeValue(COPYRIGHT))
        }
    }
}

try {
    defaultCopyrightName = data.getAttributeValue(DEFAULT)
    options.readExternal(data)
}
catch (e: InvalidDataException) {
    LOG.error(e)
}
}

private fun addCopyright(profile: CopyrightProfile) {
    schemeManager.addScheme(InitializedSchemeWrapper(profile, schemeWriter))
}

fun getCopyrights(): Collection<CopyrightProfile> = schemeManager.allSchemes.map { it.scheme }

fun clearMappings() {
    scopeToCopyright.clear()
}

fun removeCopyright(copyrightProfile: CopyrightProfile) {
    schemeManager.removeScheme(copyrightProfile.name)

    val it = scopeToCopyright.keys.iterator()
    while (it.hasNext()) {
        if (scopeToCopyright.get(it.next()) == copyrightProfile.name) {
            it.remove()
        }
    }
}

fun replaceCopyright(name: String, profile: CopyrightProfile) {
    val existingScheme = schemeManager.findSchemeByName(name)
    if (existingScheme == null) {
        addCopyright(profile)
    }
    else {
        existingScheme.scheme.copyFrom(profile)
    }
}

```

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}

fun getCopyrightOptions(file: PsiFile): CopyrightProfile? {
    val virtualFile = file.virtualFile
    if (virtualFile == null || options.getOptions(virtualFile.fileType.name).getFileTypeOverride() ==
LanguageOptions.NO_COPYRIGHT) {
        return null
    }

    val validationManager = DependencyValidationManager.getInstance(project)
    for (scopeName in scopeToCopyright.keys) {
        val packageSet = validationManager.getScope(scopeName)?.value ?: continue
        if (packageSet.contains(file, validationManager)) {
            scopeToCopyright.get(scopeName)?.let { schemeManager.findSchemeByName(it) }?.let { return it.scheme }
        }
    }
    return defaultCopyright
}

private class CopyrightManagerDocumentListener : BulkFileListener {
    private val newFilePaths = ConcurrentCollectionFactory.createConcurrentSet<String>()

    private val isDocumentListenerAdded = AtomicBoolean()

    override fun after(events: List<VFileEvent>) {
        for (event in events) {
            if (event.isFromRefresh) {
                continue
            }

            if (event is VFileCreateEvent || event is VFileMoveEvent) {
                newFilePaths.add(event.path)
                if (isDocumentListenerAdded.compareAndSet(false, true)) {
                    addDocumentListener()
                }
            }
        }
    }

    private fun addDocumentListener() {
        EditorFactory.getInstance().eventMulticaster.addDocumentListener(object : DocumentListener {
            override fun documentChanged(e: DocumentEvent) {
                if (newFilePaths.isEmpty()) {
                    return
                }

                val virtualFile = FileDocumentManager.getInstance().getFile(e.document) ?: return

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    if (!newFilePaths.remove(virtualFile.path)) {
        return
    }

    val projectManager = serviceIfCreated<ProjectManager>() ?: return
    for (project in projectManager.openProjects) {
        if (project.isDisposed) {
            continue
        }

        handleEvent(virtualFile, project)
    }
}, FileTypeUtil.getInstance())
}

private fun handleEvent(virtualFile: VirtualFile, project: Project) {
    val copyrightManager = CopyrightManager.getInstance(project)
    if (!copyrightManager.hasAnyCopyrights()) return

    val module = ProjectRootManager.getInstance(project).fileIndex.getModuleForFile(virtualFile) ?: return
    if (!FileTypeUtil.isSupportedFile(virtualFile)) {
        return
    }

    val file = PsiManager.getInstance(project).findFile(virtualFile) ?: return

    if (!file.isWritable) {
        return
    }

    copyrightManager.getCopyrightOptions(file) ?: return

    AppUIExecutor.onUiThread(ModalityState.NON_MODAL).later().withDocumentsCommitted(project).execute {
        if (project.isDisposed || !file.isValid) {
            return@execute
        }

        UpdateCopyrightProcessor(project, module, file).run()
    }
}

private fun wrapScheme(element: Element): Element {
    val wrapper = Element("component")
        .setAttribute("name", "CopyrightManager")
    wrapper.addContent(element)
    return wrapper
}

```

```

}

private class CopyrightLazySchemeWrapper(name: String,
    dataHolder: SchemeDataHolder<SchemeWrapper<CopyrightProfile>>,
    writer: (scheme: CopyrightProfile) -> Element,
    private val subStateTagName: String = "copyright") :
    LazySchemeWrapper<CopyrightProfile>(name, dataHolder, writer) {
    override val lazyScheme = lazy {
        val scheme = CopyrightProfile()
        @Suppress("NAME_SHADOWING")
        val dataHolder = this.dataHolder.getAndSet(null)
        var element = dataHolder.read()
        if (element.name != subStateTagName) {
            element = element.getChild(subStateTagName)
        }

        element.deserializeInto(scheme)
        // use effective name instead of probably missed from the serialized
        // https://youtrack.jetbrains.com/v2/issue/IDEA-186546
        scheme.profileName = name

        @Suppress("DEPRECATION")
        val allowReplaceKeyword = scheme.allowReplaceKeyword
        if (allowReplaceKeyword != null && scheme.allowReplaceRegex == null) {
            scheme.allowReplaceRegex = StringUtil.escapeToRegex(allowReplaceKeyword)
            @Suppress("DEPRECATION")
            scheme.allowReplaceKeyword = null
        }

        scheme.resetModificationCount()
        dataHolder.updateDigest(writer(scheme))
        scheme
    }
}

```

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```

package org.jetbrains.kotlin.idea.completion.contributors

import com.intellij.psi.util.parentsOfType
import com.intellij.refactoring.suggested.createSmartPointer
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.components.KtScopeKind
import org.jetbrains.kotlin.analysis.api.lifetime.KtLifetimeOwner
import org.jetbrains.kotlin.analysis.api.lifetime.KtLifetimeToken
import org.jetbrains.kotlin.analysis.api.lifetime.withValidityAssertion
import org.jetbrains.kotlin.analysis.api.signatures.KtCallableSignature
import org.jetbrains.kotlin.analysis.api.signatures.KtFunctionLikeSignature
import org.jetbrains.kotlin.analysis.api.symbols.KtCallableSymbol
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtSymbolWithModality
import org.jetbrains.kotlin.analysis.api.types.KtIntersectionType
import org.jetbrains.kotlin.analysis.api.types.KtType
import org.jetbrains.kotlin.analysis.api.types.KtUsualClassType
import org.jetbrains.kotlin.config.LanguageFeature
import org.jetbrains.kotlin.descriptors.Modality
import org.jetbrains.kotlin.idea.base.projectStructure.languageVersionSettings
import org.jetbrains.kotlin.idea.completion.ItemPriority
import org.jetbrains.kotlin.idea.completion.checkers.CompletionVisibilityChecker
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirSuperReceiverNameReferencePositionContext
import org.jetbrains.kotlin.idea.completion.contributors.helpers.CompletionSymbolOrigin
import org.jetbrains.kotlin.idea.completion.contributors.helpers.collectNonExtensionsForType
import org.jetbrains.kotlin.idea.completion.lookups.CallableInsertionOptions
import org.jetbrains.kotlin.idea.completion.lookups.CallableInsertionStrategy
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext
import org.jetbrains.kotlin.name.Name
import org.jetbrains.kotlin.name.StandardClassIds
import org.jetbrains.kotlin.psi.KtNamedFunction
import org.jetbrains.kotlin.psi.KtSuperExpression

internal class FirSuperMemberCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int
) : FirCompletionContributorBase<FirSuperReceiverNameReferencePositionContext>(basicContext, priority) {
    private data class CallableInfo(
        private val _type: KtType,
        private val _signature: KtCallableSignature<*>,
        val scopeKind: KtScopeKind
    ): KtLifetimeOwner {
        override val token: KtLifetimeToken
            get() = _signature.token
        val type: KtType get() = withValidityAssertion { _type }
        val signature: KtCallableSignature<*> get() = withValidityAssertion { _signature }
    }
}

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private val excludeEnumEntries =
    !basicContext.project.languageVersionSettings.supportsFeature(LanguageFeature.EnumEntries)

override fun KtAnalysisSession.complete(
    positionContext: FirSuperReceiverNameReferencePositionContext,
    weighingContext: WeighingContext
) = with(positionContext) {
    val superReceiver = positionContext.superExpression
    val visibilityChecker = CompletionVisibilityChecker.create(basicContext, positionContext)
    val superType = superReceiver.getKtType() ?: return

    val (nonExtensionMembers: Iterable<CallableInfo>, namesNeedDisambiguation: Set<Name>) =
        if (superType !is KtIntersectionType) {
            getNonExtensionsMemberSymbols(superType, visibilityChecker).asIterable() to emptySet()
        } else {
            getSymbolsAndNamesNeedDisambiguation(superType.conjuncts, visibilityChecker)
        }
    collectCallToSuperMember(superReceiver, nonExtensionMembers, weighingContext,
namesNeedDisambiguation)
    collectDelegateCallToSuperMember(weighingContext, superReceiver, nonExtensionMembers,
namesNeedDisambiguation)

}

private fun KtAnalysisSession.getSymbolsAndNamesNeedDisambiguation(
    superTypes: List<KtType>,
    visibilityChecker: CompletionVisibilityChecker
): Pair<List<CallableInfo>, Set<Name>> {
    val allSymbols = mutableListOf<CallableInfo>()
    val symbolsInAny = mutableSetOf<KtCallableSymbol>()
    val symbolCountsByName = mutableMapOf<Name, Int>()
    for (superType in superTypes) {
        for (callableInfo in getNonExtensionsMemberSymbols(superType, visibilityChecker)) {
            val symbol = callableInfo.signature.symbol

            // Abstract symbol does not participate completion.
            if (symbol !is KtSymbolWithModality || symbol.modality == Modality.ABSTRACT) continue

            // Unlike typical diamond cases, calls to method of `Any` always do not need extra qualification.
            if (symbol.callableIdIfNonLocal?.classId == StandardClassIds.Any) {
                if (symbol in symbolsInAny) continue
                symbolsInAny.add(symbol)
            }

            allSymbols.add(CallableInfo(superType, callableInfo.signature, callableInfo.scopeKind))
            val name = callableInfo.signature.callableIdIfNonLocal?.callableName ?: continue
            symbolCountsByName[name] = (symbolCountsByName[name] ?: 0) + 1
        }
    }
}

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```

    }
}

val nameNeedDisambiguation = mutableSetOf<Name>()
for ((name, count) in symbolCountsByName) {
    if (count > 1) {
        nameNeedDisambiguation.add(name)
    }
}
return Pair(allSymbols, nameNeedDisambiguation)
}

private fun KtAnalysisSession.getNonExtensionsMemberSymbols(
    receiverType: KtType,
    visibilityChecker: CompletionVisibilityChecker
): Sequence<CallableInfo> {
    return collectNonExtensionsForType(receiverType, visibilityChecker, scopeNameFilter,
excludeEnumEntries).map {
        CallableInfo(receiverType, it.signature, it.scopeKind)
    }
}

private fun KtAnalysisSession.collectCallToSuperMember(
    superReceiver: KtSuperExpression,
    nonExtensionMembers: Iterable<CallableInfo>,
    context: WeighingContext,
    namesNeedDisambiguation: Set<Name>
) {
    nonExtensionMembers.forEach { callableInfo ->
        addCallableSymbolToCompletion(
            context,
            callableInfo.signature,
            CallableInsertionOptions(
                importStrategyDetector.detectImportStrategyForCallableSymbol(callableInfo.signature.symbol),
                wrapWithDisambiguationIfNeeded(
                    getInsertionStrategy(callableInfo.signature),
                    callableInfo.type,
                    callableInfo.signature,
                    namesNeedDisambiguation,
                    superReceiver
                )
            ),
            CompletionSymbolOrigin.Scope(callableInfo.scopeKind),
        )
    }
}

private fun KtAnalysisSession.getInsertionStrategy(signature: KtCallableSignature<*>): CallableInsertionStrategy

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= when (signature) {
    is KtFunctionLikeSignature<*> -> CallableInsertionStrategy.AsCall
    else -> CallableInsertionStrategy.AsIdentifier
}

private fun KtAnalysisSession.collectDelegateCallToSuperMember(
    context: WeighingContext,
    superReceiver: KtSuperExpression,
    nonExtensionMembers: Iterable<CallableInfo>,
    namesNeedDisambiguation: Set<Name>
) {
    // A map that contains all containing functions as values, each of which is indexed by symbols it overrides. For
    // example, consider
    // the following code
    // ```
    // class A : Runnable {
    //     override fun run() {
    //         val o = object: Callable<String> {
    //             override fun call(): String {
    //                 super.<caret>
    //             }
    //         }
    //     }
    // }
    // ```
    // The map would contain
    //
    // * Runnable.run -> A.run
    // * Callable.call -> <anonymous object>.call
    val superFunctionToContainingFunction = superReceiver
        .parentsOfType<KtNamedFunction>(withSelf = false)
        .flatMap { containingFunction ->
            containingFunction
                .getFunctionLikeSymbol()
                .getAllOverriddenSymbols()
                .map { superFunctionSymbol ->
                    superFunctionSymbol to containingFunction
                }
        }
        .toMap()

    if (superFunctionToContainingFunction.isEmpty()) return

    for (callableInfo in nonExtensionMembers) {
        val signature = callableInfo.signature
        val matchedContainingFunction = superFunctionToContainingFunction[callableInfo.signature.symbol] ?:
    continue
        if (signature !is KtFunctionLikeSignature<*>) continue
        if (signature.valueParameters.isEmpty()) continue

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val args = matchedContainingFunction.valueParameters.mapNotNull {
    val name = it.name ?: return@mapNotNull null
    if (it.isVarArg) {
        "*$name"
    } else {
        name
    }
}
if (args.size < matchedContainingFunction.valueParameters.size) continue
addCallableSymbolToCompletion(
    context,
    signature,
    CallableInsertionOptions(
        importStrategyDetector.detectImportStrategyForCallableSymbol(callableInfo.signature.symbol),
        wrapWithDisambiguationIfNeeded(
            CallableInsertionStrategy.WithCallArgs(args),
            callableInfo.type,
            callableInfo.signature,
            namesNeedDisambiguation,
            superReceiver
        )
    ),
    CompletionSymbolOrigin.Scope(callableInfo.scopeKind),
    priority = ItemPriority.SUPER_METHOD_WITH_ARGUMENTS
)
}
}

private fun KtAnalysisSession.wrapWithDisambiguationIfNeeded(
    insertionStrategy: CallableInsertionStrategy,
    superType: KtType,
    callableSignature: KtCallableSignature<*>,
    namesNeedDisambiguation: Set<Name>,
    superReceiver: KtSuperExpression
): CallableInsertionStrategy {
    val superClassId = (superType as? KtUsualClassType)?.classId
    val needDisambiguation = callableSignature.callableIdIfNonLocal?.callableName in
namesNeedDisambiguation
    return if (needDisambiguation && superClassId != null) {
        CallableInsertionStrategy.WithSuperDisambiguation(superReceiver.createSmartPointer(), superClassId,
insertionStrategy)
    } else {
        insertionStrategy
    }
}
}
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```
package org.jetbrains.kotlin.copyright
```

```
import com.maddyhome.idea.copyright.CopyrightProfile
import com.maddyhome.idea.copyright.psi.UpdateCopyrightFactory
import org.jetbrains.kotlin.idea.test.KotlinLightCodeInsightFixtureTestCase
import java.io.File
```

```
abstract class AbstractUpdateKotlinCopyrightTest : KotlinLightCodeInsightFixtureTestCase() {
    fun doTest(path: String) {
        val testName = File(path).name
        myFixture.configureByFile(testName)
        configureCopyright()
        myFixture.checkResultByFile("$testName.after")
    }

    private fun configureCopyright() {
        val profile = CopyrightProfile().apply {
            notice = "Copyright notice\nOver multiple lines"
        }
        UpdateCopyrightFactory.createUpdateCopyright(project, module, myFixture.file, profile)!!.apply {
            prepare()
            complete()
        }
    }
}
```

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```
yjpagent.dll
libyjpagent.so
libyjpagent.dylib
yjp-controller-api-redis.jar
yjp-probe-api-redis.jar
```

-----  
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```
package org.jetbrains.kotlin.idea.copyright
```

```
import com.intellij.openapi.module.Module  
import com.intellij.openapi.project.Project  
import com.intellij.openapi.vfs.VirtualFile  
import com.intellij.psi.*  
import com.intellij.util.containers.TreeTraversal  
import com.maddyhome.idea.copyright.CopyrightProfile  
import com.maddyhome.idea.copyright.psi.UpdatePsiFileCopyright  
import org.jetbrains.kotlin.idea.KotlinFileType  
import org.jetbrains.kotlin.kdoc.psi.api.KDoc  
import org.jetbrains.kotlin.lexer.KtTokens.SHEBANG_COMMENT  
import org.jetbrains.kotlin.psi.KtDeclaration
```

```
class UpdateKotlinCopyright(  
    project: Project?,
```

```

module: Module?,
root: VirtualFile?,
copyrightProfile: CopyrightProfile?
): UpdatePsiFileCopyright(project, module, root, copyrightProfile) {

override fun accept(): Boolean =
    file.fileType === KotlinFileType.INSTANCE

override fun scanFile() {
    val firstChild: PsiElement? = file.firstChild
    val comments = getExistentComments(file)
    val anchor = if (firstChild.isShebangComment()) firstChild?.nextSibling else comments.lastOrNull()
    checkComments(anchor, true, comments)
}

companion object {
    fun getExistentComments(psiFile: PsiFile): List<PsiComment> =
        SyntaxTraverser.psiTraverser(psiFile)
            .withTraversal(TreeTraversal.LEAVES_DFS)
            .traverse()
            .skipWhile { element: PsiElement -> element.isShebangComment() }
            .takeWhile { element: PsiElement ->
                (element is PsiComment && element.getParent() !is KtDeclaration) ||
                element is PsiWhiteSpace ||
                element.text.isEmpty() ||
                element.parent is KDoc
            }
            .map { element: PsiElement -> if (element.parent is KDoc) element.parent else element }
            .filterIsInstance<PsiComment>()
            .toList()
}
}

private fun PsiElement?.isShebangComment(): Boolean =
    this is PsiComment && tokenType === SHEBANG_COMMENT
xml-commons/java/external/LICENSE.dom-software.txt $Id: LICENSE.dom-software.txt,v 1.1 2002/01/31
23:13:42 curcuru Exp $

```

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```
package org.jetbrains.kotlin.idea.completion.contributors.helpers
```

```
import com.intellij.codeInsight.completion.InsertHandler
import com.intellij.codeInsight.completion.InsertionContext
import com.intellij.codeInsight.lookup.LookupElement
import com.intellij.openapi.util.TextRange
import com.intellij.psi.PsiElement
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.symbols.KtNamedClassOrObjectSymbol
import org.jetbrains.kotlin.analysis.api.types.KtClassType
import org.jetbrains.kotlin.analysis.api.types.KtNonErrorClassType
import org.jetbrains.kotlin.idea.base.analysis.api.utils.shortenReferencesInRange
import org.jetbrains.kotlin.psi.KtClassOrObject
import org.jetbrains.kotlin.psi.KtFile
import org.jetbrains.kotlin.psi.psiUtil.getStrictParentOfType

internal object FirSuperEntriesProvider {
    fun KtAnalysisSession.getSuperClassesAvailableForSuperCall(context: PsiElement):
    List<KtNamedClassOrObjectSymbol> {
        val containingClass = context.getStrictParentOfType<KtClassOrObject>() ?: return emptyList()
        val containingClassSymbol = containingClass.getClassOrObjectSymbol() ?: return emptyList()
        return containingClassSymbol.superTypes.mapNotNull { superType ->
            val classType = superType as? KtNonErrorClassType ?: return@mapNotNull null
            classType.classSymbol as? KtNamedClassOrObjectSymbol
        }
    }
}

internal object SuperCallInsertionHandler : InsertHandler<LookupElement> {
    override fun handleInsert(context: InsertionContext, item: LookupElement) {
        val lookupObject = item.`object` as SuperCallLookupObject
    }
}
```

```

        replaceWithClassIdAndShorten(lookupObject, context)
        context.insertSymbolAndInvokeCompletion(symbol = ".")
    }

private fun replaceWithClassIdAndShorten(
    lookupObject: SuperCallLookupObject,
    context: InsertionContext
) {
    val replaceTo = lookupObject.replaceTo ?: return
    context.document.replaceString(context.startOffset, context.tailOffset, replaceTo)
    context.commitDocument()

    if (lookupObject.shortenReferencesInReplaced) {
        val targetFile = context.file as KtFile
        shortenReferencesInRange(targetFile, TextRange(context.startOffset, context.tailOffset))
    }
}

internal interface SuperCallLookupObject {
    val replaceTo: String?
    val shortenReferencesInReplaced: Boolean
}

```

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```
package org.jetbrains.kotlin.idea.completion.contributors.keywords

import com.intellij.codeInsight.completion.CompletionParameters
import com.intellij.codeInsight.lookup.LookupElement
import com.intellij.icons.AllIcons
import com.intellij.openapi.application.runWriteAction
import com.intellij.openapi.project.Project
import com.intellij.ui.RowIcon
import org.jetbrains.kotlin.analysis.api.KtAllowAnalysisOnEdt
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.analyze
import org.jetbrains.kotlin.analysis.api.lifetime.allowAnalysisOnEdt
import org.jetbrains.kotlin.analysis.api.renderer.base.annotations.KtRendererAnnotationsFilter
import org.jetbrains.kotlin.analysis.api.renderer.declarations.impl.KtDeclarationRendererForSource
import org.jetbrains.kotlin.analysis.api.renderer.declarations.modifiers.renderers.KtRendererModifierFilter
import org.jetbrains.kotlin.analysis.api.symbols.*
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtNamedSymbol
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtSymbolWithModality
import org.jetbrains.kotlin.descriptors.Modality
import org.jetbrains.kotlin.idea.KtIconProvider.getBaseIcon
import org.jetbrains.kotlin.idea.completion.*
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.keywords.CompletionKeywordHandler
import org.jetbrains.kotlin.idea.core.overrideImplement.*
import org.jetbrains.kotlin.idea.core.overrideImplement.generateMember
import org.jetbrains.kotlin.lexer.KtTokens
import org.jetbrains.kotlin.psi.*
```

```

import org.jetbrains.kotlin.psi.psiUtil.createSmartPointer
import org.jetbrains.kotlin.psi.psiUtil.getNonStrictParentOfType

internal class OverrideKeywordHandler(
    private val basicContext: FirBasicCompletionContext
) : CompletionKeywordHandler<KtAnalysisSession>(KtTokens.OVERRIDE_KEYWORD) {

    override fun KtAnalysisSession.createLookups(
        parameters: CompletionParameters,
        expression: KtExpression?,
        lookup: LookupElement,
        project: Project
    ): Collection<LookupElement> = createOverrideMemberLookups(parameters, declaration = null, project) +
lookup

    fun KtAnalysisSession.createOverrideMemberLookups(
        parameters: CompletionParameters,
        declaration: KtCallableDeclaration?,
        project: Project
    ): Collection<LookupElement> {
        val result = mutableListOf<LookupElement>()
        val position = parameters.position
        val isConstructorParameter = position.getNonStrictParentOfType<KtPrimaryConstructor>() != null
        val classOrObject = position.getNonStrictParentOfType<KtClassOrObject>() ?: return result
        val members = collectMembers(classOrObject, isConstructorParameter)

        for (member in members) {
            val symbolPointer = member.memberInfo.symbolPointer
            val memberSymbol = symbolPointer.restoreSymbol()
            requireNotNull(memberSymbol) { "${symbolPointer::class} can't be restored" }

            if (declaration != null && !canCompleteDeclarationWithMember(declaration, memberSymbol)) continue
            result += createLookupElementToGenerateSingleOverrideMember(member, declaration, classOrObject,
isConstructorParameter, project)
        }
        return result
    }

    private fun collectMembers(classOrObject: KtClassOrObject, isConstructorParameter: Boolean):
List<KtClassMember> {
        val allMembers = KtOverrideMembersHandler().collectMembersToGenerate(classOrObject)
        return if (isConstructorParameter) {
            allMembers.mapNotNull { member ->
                if (member.memberInfo.isProperty) {
                    member.copy(bodyType = BodyType.FromTemplate, preferConstructorParameter = true)
                } else null
            }
        } else allMembers.toList()
    }
}

```

```

}

private fun KtAnalysisSession.canCompleteDeclarationWithMember(
    declaration: KtCallableDeclaration,
    symbolToOverride: KtCallableSymbol
): Boolean = when (declaration) {
    is KtFunction -> symbolToOverride is KtFunctionSymbol
    is KtValVarKeywordOwner -> {
        if (symbolToOverride !is KtVariableSymbol) {
            false
        } else {
            // val cannot override var
            !(declaration.isVal && !symbolToOverride.isVal)
        }
    }
}

else -> false
}

@OptIn(KtAllowAnalysisOnEdt::class)
private fun KtAnalysisSession.createLookupElementToGenerateSingleOverrideMember(
    member: KtClassMember,
    declaration: KtCallableDeclaration?,
    classOrObject: KtClassOrObject,
    isConstructorParameter: Boolean,
    project: Project
): OverridesCompletionLookupElementDecorator {
    val symbolPointer = member.memberInfo.symbolPointer
    val memberSymbol = symbolPointer.restoreSymbol()
    requireNotNull(memberSymbol) { "${symbolPointer::class} can't be restored" }
    check(memberSymbol is KtNamedSymbol)
    check(classOrObject !is KtEnumEntry)

    val text = getSymbolTextForLookupElement(memberSymbol)
    val baseIcon = getBaseIcon(memberSymbol)
    val isImplement = (memberSymbol as? KtSymbolWithModality)?.modality == Modality.ABSTRACT
    val additionalIcon = if (isImplement) AllIcons.Gutter.ImplementingMethod else
AllIcons.Gutter.OverridingMethod
    val icon = RowIcon(baseIcon, additionalIcon)
    val isSuspendFunction = (memberSymbol as? KtFunctionSymbol)?.isSuspend == true

    val containingSymbol = memberSymbol.unwrapFakeOverrides.originalContainingClassForOverride
    val baseClassName = containingSymbol?.name?.asString()
    val baseClassIcon = member.memberInfo.containingSymbolIcon

    val baseLookupElement = with(basicContext.lookupElementFactory) {
        createLookupElement(memberSymbol, basicContext.importStrategyDetector)
    }
}

```

```

val classOrObjectPointer = classOrObject.createSmartPointer()
return OverridesCompletionLookupElementDecorator(
    baseLookupElement,
    declaration,
    text,
    isImplement,
    icon,
    baseClassName,
    baseClassIcon,
    isConstructorParameter,
    isSuspendFunction,
    generateMember = {
        generateMemberInNewAnalysisSession(classOrObjectPointer.element!!, member, project)
    },
    shortenReferences = { element ->
        val shortenings = allowAnalysisOnEdt {
            analyze(element) {
                collectPossibleReferenceShortenings(element.containingKtFile, element.textRange)
            }
        }
        runWriteAction {
            shortenings.invokeShortening()
        }
    }
)
}

private fun KtAnalysisSession.getSymbolTextForLookupElement(memberSymbol: KtCallableSymbol): String =
buildString {
    append(KtTokens.OVERRIDE_KEYWORD.value)
        .append(" ")
        .append(memberSymbol.render(renderingOptionsForLookupElementRendering))
    if (memberSymbol is KtFunctionSymbol) {
        append(" {...}")
    }
}

@OptIn(KtAllowAnalysisOnEdt::class)
private fun generateMemberInNewAnalysisSession(
    classOrObject: KtClassOrObject,
    member: KtClassMember,
    project: Project
) = allowAnalysisOnEdt {
    analyze(classOrObject) {
        val symbolPointer = member.memberInfo.symbolPointer
        val symbol = symbolPointer.restoreSymbol()
        requireNotNull(symbol) { "${symbolPointer::class} can't be restored" }
    }
}

```

```

        generateMember(
            project,
            member,
            symbol,
            classOrObject,
            copyDoc = false,
            mode = MemberGenerateMode.OVERRIDE,
        )
    }
}

companion object {
    private val renderingOptionsForLookupElementRendering =
        KtDeclarationRendererForSource.WITH_SHORT_NAMES.with {
            annotationRenderer = annotationRenderer.with {
                annotationFilter = KtRendererAnnotationsFilter.NONE
            }
            modifiersRenderer = modifiersRenderer.with {
                modifierFilter = KtRendererModifierFilter.onlyWith(KtTokens.TYPE_MODIFIER_KEYWORDS)
            }
        }
    }
}

private val KtValVarKeywordOwner.isVal: Boolean
    get() {
        val elementType = valOrVarKeyword?.node?.elementType
        return elementType == KtTokens.VAL_KEYWORD
    }
}

```

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```

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*/
package org.jetbrains.plugins.groovy.copyright

import com.intellij.openapi.module.Module
import com.intellij.openapi.project.Project
import com.intellij.psi.PsiFile
import com.maddyhome.idea.copyright.pattern.CopyrightVariablesProvider
import com.maddyhome.idea.copyright.pattern.FileInfo
import org.jetbrains.plugins.groovy.lang.psi.GroovyFile

class GroovyCopyrightVariablesProvider : CopyrightVariablesProvider() {

    override fun collectVariables(context: MutableMap<String, Any>, project: Project, module: Module, file: PsiFile) {
        if (file !is GroovyFile) return

        context.put("file", object : FileInfo(file) {

            override fun getQualifiedClassName() = getClazz()?.qualifiedName ?: super.getQualifiedClassName()

            override fun getClassName(): String = getClazz()?.name ?: super.getClassName()

            private fun getClazz() = if (file.isScript) file.scriptClass else file.classes.firstOrNull()

        })
    }
}
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package org.jetbrains.kotlin.idea.completion.contributors

import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext

internal class FirCompletionContributorFactory(private val basicContext: FirBasicCompletionContext) {
    fun keywordContributor(priority: Int = 0) =
        FirKeywordCompletionContributor(basicContext, priority)

    fun classReferenceContributor(priority: Int = 0) =
        FirClassReferenceCompletionContributor(basicContext, priority)

    fun callableContributor(priority: Int = 0) =
        FirCallableCompletionContributor(basicContext, priority)

    fun superMemberContributor(priority: Int) =
        FirSuperMemberCompletionContributor(basicContext, priority)

    fun infixCallableContributor(priority: Int = 0) =

```

```

    FirInfixCallableCompletionContributor(basicContext, priority)

fun callableReferenceContributor(priority: Int = 0) =
    FirCallableReferenceCompletionContributor(basicContext, priority)

fun classifierContributor(priority: Int = 0) =
    FirClassifierCompletionContributor(basicContext, priority)

fun classifierReferenceContributor(priority: Int = 0) =
    FirClassifierReferenceCompletionContributor(basicContext, priority)

fun annotationsContributor(priority: Int = 0) =
    FirAnnotationCompletionContributor(basicContext, priority)

fun packageCompletionContributor(priority: Int = 0) =
    FirPackageCompletionContributor(basicContext, priority)

fun importDirectivePackageMembersContributor(priority: Int = 0) =
    FirImportDirectivePackageMembersCompletionContributor(basicContext, priority)

fun typeParameterConstraintNameInWhereClauseContributor(priority: Int = 0) =
    FirTypeParameterConstraintNameInWhereClauseCompletionContributor(basicContext, priority)

fun classifierNameContributor(priority: Int = 0) =
    FirSameAsFileClassifierNameCompletionContributor(basicContext, priority)

fun whenWithSubjectConditionContributor(priority: Int = 0) =
    FirWhenWithSubjectConditionContributor(basicContext, priority)

fun superEntryContributor(priority: Int) =
    FirSuperEntryContributor(basicContext, priority)

fun declarationFromUnresolvedNameContributor(priority: Int) =
    FirDeclarationFromUnresolvedNameContributor(basicContext, priority)

fun declarationFromOverridableMembersContributor(priority: Int) =
    FirDeclarationFromOverridableMembersContributor(basicContext, priority)

fun namedArgumentContributor(priority: Int = 0) =
    FirNamedArgumentCompletionContributor(basicContext, priority)

fun variableOrParameterNameWithTypeContributor(priority: Int) =
    FirVariableOrParameterNameWithTypeCompletionContributor(basicContext, priority)
}

```

Maven Reporting Implementation

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/\* Doc comment \*/

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\* \$Revision: 1.4 \$

\* \$Date: 2002/04/11 13:24:02 \$

\*

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license that can be found in the LICENSE file.  
package com.intellij.copyright

import com.intellij.configurationStore.schemeManager.SchemeManagerFactoryBase

```

import com.intellij.testFramework.ProjectExtension
import com.intellij.testFramework.assertions.Assertions.assertThat
import com.intellij.testFramework.rules.InMemoryFsExtension
import com.intellij.util.io.write
import com.maddyhome.idea.copyright.CopyrightProfile
import org.junit.jupiter.api.Test
import org.junit.jupiter.api.extension.RegisterExtension

internal class CopyrightManagerTest {
    companion object {
        @JvmField
        @RegisterExtension
        val projectRule = ProjectExtension(runPostStartUpActivities = false, preloadServices = false)
    }

    @JvmField
    @RegisterExtension
    val fsRule = InMemoryFsExtension()

    @Test
    fun serialize() {
        val scheme = CopyrightProfile()
        scheme.name = "test"
        assertThat(scheme.writeScheme()).isEqualTo("""
<copyright>
  <option name="myName" value="test" />
</copyright>""").trimIndent()
    }

    @Test
    fun serializeEmpty() {
        val scheme = CopyrightProfile()
        assertThat(scheme.writeScheme()).isEqualTo("""<copyright />""")
    }

    @Test
    fun loadSchemes() {
        val schemeFile = fsRule.fs.getPath("copyright/openapi.xml")
        val schemeData = """
<component name="CopyrightManager">
  <copyright>
    <option name="notice" value="Copyright 2000-&#36;today.year JetBrains s.r.o.&#10;&#10;Licensed
under the Apache License, Version 2.0 (the &quot;License&quot;);&#10;you may not use this file except in
compliance with the License.&#10;You may obtain a copy of the License
at&#10;&#10;http://www.apache.org/licenses/LICENSE-2.0&#10;&#10;Unless required by applicable law or
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BASIS,&#10;WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.&#10;See
the License for the specific language governing permissions and&#10;limitations under the License." />

```

```

    <option name="keyword" value="Copyright" />
    <option name="allowReplaceKeyword" value="JetBrains" />
    <option name="myName" value="openapi" />
    <option name="myLocal" value="true" />
  </copyright>
</component>""".trimIndent()
schemeFile.write(schemeData)
val schemeManagerFactory = SchemeManagerFactoryBase.TestSchemeManagerFactory(fsRule.fs.getPath(""))
val profileManager = CopyrightManager(projectRule.project, schemeManagerFactory,
    isSupportIprProjects = false /* otherwise scheme will be not loaded from our memory fs
*/)
profileManager.loadSchemes()

val copyrights = profileManager.getCopyrights()
assertThat(copyrights).hasSize(1)
val scheme = copyrights.first()
assertThat(scheme.schemeState).isEqualTo(null)
assertThat(scheme.name).isEqualTo("openapi")
}

@Test
fun `use file name if scheme name missed`() {
    val schemeFile = fsRule.fs.getPath("copyright/FooBar.xml")
    val schemeData = ""
    <component name="CopyrightManager">
    <copyright>
        <option name="notice" value="Copyright (C) &#36;{today.year} - present by FooBar Inc. and the
        FooBar group of companies&#10;&#10;Please see distribution for license." />
    </copyright>
    </component>""".trimIndent()
    schemeFile.write(schemeData)
    val schemeManagerFactory = SchemeManagerFactoryBase.TestSchemeManagerFactory(fsRule.fs.getPath(""))
    val profileManager = CopyrightManager(projectRule.project, schemeManagerFactory,
        isSupportIprProjects = false /* otherwise scheme will be not loaded from our memory fs
*/)
    profileManager.loadSchemes()
    val copyrights = profileManager.getCopyrights()
    assertThat(copyrights).hasSize(1)
    assertThat(copyrights.first().name).isEqualTo("FooBar")
}
}
}

```

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David Megginson, david@megginson.com  
2000-05-05

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@file:Suppress("ReplaceJavaStaticMethodWithKotlinAnalog")

package org.jetbrains.intellij.build

```

import org.jetbrains.intellij.build.LibraryLicense.Companion.jetbrainsLibrary

/**
 * Defines information about licenses of libraries located in 'community', 'contrib' and 'android' repositories.
 */
object CommunityLibraryLicenses {
    @JvmStatic
    @SuppressWarnings("SpellCheckingInspection")
    val LICENSES_LIST: List<LibraryLicense> = java.util.List.of(
        LibraryLicense(name = "A fast Java JSON schema validator", libraryName = "json-schema-validator",
            url = "https://github.com/networknt/json-schema-validator")
            .apache("https://github.com/networknt/json-schema-validator/LICENSE"),
        LibraryLicense(name = "aalto-xml", libraryName = "aalto-xml", url = "https://github.com/FasterXML/aalto-xml/")
            .apache("https://github.com/FasterXML/aalto-xml/blob/master/LICENSE"),
        androidDependency(name = "AAPT Protos", libraryName = "aapt-protos"),
        LibraryLicense(name = "AhoCorasickDoubleArrayTrie", libraryName = "com.hankcs:aho-corasick-double-array-trie",
            url = "https://github.com/hankcs/AhoCorasickDoubleArrayTrie")
            .apache("https://github.com/hankcs/AhoCorasickDoubleArrayTrie#license"),
        androidDependency(name = "Am Instrument Data proto", libraryName = "libam-instrumentation-data-protos"),
        LibraryLicense(name = "Amazon Ion Java", libraryName = "ion", url = "https://github.com/amzn/ion-java")
            .apache("https://github.com/amzn/ion-java/blob/master/LICENSE"),
        androidDependency("android-test-plugin-host-device-info-protos"),
        androidDependency(name = "android-test-plugin-host-retention-protos", libraryName = "libstudio.android-test-plugin-host-retention-protos"),
        androidDependency(name = "android-test-plugin-result-listener-gradle-protos", libraryName = "libstudio.android-test-plugin-result-listener-gradle-protos"),
        androidDependency(name = "Android ADB Lib", libraryName = "precompiled-adb-lib"),
        androidDependency(name = "Android ADB Lib (ddmlib compatibility)", libraryName = "precompiled-adb-lib-ddmlib-compatibility"),
        androidDependency(name = "Android ADB Lib (tools)", libraryName = "precompiled-adb-lib-tools"),
        androidDependency(name = "Android AIA Protos", libraryName = "aia-protos"),
        androidDependency(name = "Android Analytics Crash", libraryName = "precompiled-analytics-crash"),
        androidDependency(name = "Android Analytics Protos", libraryName = "studio-analytics-protos"),
        androidDependency(name = "Android Analytics Shared", libraryName = "precompiled-analytics-shared"),
        androidDependency(name = "Android Analytics Tracker", libraryName = "precompiled-analytics-tracker"),
        androidDependency(name = "Android Annotations", libraryName = "precompiled-android-annotations"),
        androidDependency(name = "Android Apk Analyzer", libraryName = "precompiled-analyzer"),
        androidDependency(name = "Android Apk Binary Resources", libraryName = "precompiled-binary-resources"),
        androidDependency(name = "Android Apk Sig", libraryName = "apk-sig"),
        androidDependency(name = "Android Apk ZLib", libraryName = "apk-zlib"),
        androidDependency(name = "Android App Inspector (Background Task, proto)", libraryName = "background-inspector-protos"),
        androidDependency(name = "Android App Inspector (Network, proto)", libraryName = "network_inspector_java_protos"),
        androidDependency(name = "Android Archive Patcher (explainer)", libraryName = "explainer"),

```

```

androidDependency(name = "Android Archive Patcher (generator)", libraryName = "generator"),
androidDependency(name = "Android Archive Patcher (shared)", libraryName = "shared"),
androidDependency(name = "Android Baksmali", libraryName = "baksmali"),
androidDependency(name = "Android Builder Model", libraryName = "precompiled-builder-model"),
androidDependency(name = "Android Chunkio", libraryName = "precompiled-chunkio"),
androidDependency(name = "Android Common Library", libraryName = "precompiled-common"),
// for android-core-proto module library in intellij.android.core
androidDependency(name = "Android Core Protos", libraryName = "libandroid-core-proto"),
androidDependency(name = "Android Data Binding Base Library", libraryName = "precompiled-db-
baseLibrary"),
    androidDependency(name = "Android Data Binding Base Library Support", libraryName = "precompiled-db-
baseLibrarySupport"),
    androidDependency(name = "Android Data Binding Compiler", libraryName = "precompiled-db-compiler"),
    androidDependency(name = "Android Data Binding Compiler Common", libraryName = "precompiled-db-
compilerCommon"),
    androidDependency(name = "Android Ddm libapp-processes-proto", libraryName = "libapp-processes-proto"),
    androidDependency(name = "Android Ddm Library", libraryName = "precompiled-ddmlib"),
    androidDependency(name = "Android Deployer Library", libraryName = "precompiled-deployer"),
    androidDependency(name = "Android Deployer Library (libjava_sites)", libraryName = "libjava_sites"),
    androidDependency(name = "Android Device Provisioner Library", libraryName = "precompiled-device-
provisioner"),
    androidDependency(name = "Android DEX library", libraryName = "dexlib2"),
    androidDependency(name = "Android draw9patch library", libraryName = "precompiled-draw9patch"),
    androidDependency(name = "Android dvlb library", libraryName = "precompiled-dvlib"),
    androidDependency(name = "Android Dynamic Layout Inspector", libraryName = "precompiled-dynamic-layout-
inspector.common"),
    androidDependency(name = "Android Emulator gRPC API", libraryName = "emulator-proto"),
    androidDependency(name = "Android Flags", libraryName = "precompiled-flags"),
    LibraryLicense(name = "Android Gradle model", attachedTo = "intellij.android.core", version = "0.4-
SNAPSHOT",
        url = "https://android.googlesource.com/platform/tools/build/+/master/gradle-
model/").apache("https://source.android.com/setup/start/licenses"),
    LibraryLicense(name = "Android Instant Apps SDK API", url = "https://source.android.com/", libraryName =
"instantapps-api",
        version =
LibraryLicense.CUSTOM_REVISION).apache("https://source.android.com/setup/start/licenses"),
    androidDependency(name = "Android Jetifier Core", libraryName = "jetifier-core"),
    LibraryLicense(name = "Android Jimfs library", libraryName = "jimfs", url = "https://github.com/google/jimfs")
        .apache("https://github.com/google/jimfs/blob/master/LICENSE"),
    androidDependency(name = "Android Layout Api Library", libraryName = "precompiled-layoutlib-api"),
    androidDependency(name = "Android Layout Inspector (Skia Proto)", libraryName = "layoutinspector-skia-
proto"),
    androidDependency(name = "Android Layout Inspector (View Proto)", libraryName = "layoutinspector-view-
proto"),
    androidDependency(name = "Android Layout Library", libraryName = "layoutlib"),
    LibraryLicense(name = "Android libwebp library", libraryName = "libwebp.jar",
        url = "https://github.com/webmproject/libwebp",
        version =

```

```

LibraryLicense.CUSTOM_REVISION).newBsd("https://github.com/webmproject/libwebp/blob/main/COPYING"),
    androidDependency(name = "Android Lint Api", libraryName = "precompiled-lint-api"),
    androidDependency(name = "Android Lint Checks", libraryName = "precompiled-lint-checks"),
    androidDependency(name = "Android Lint Checks (proto)", libraryName = "liblint-checks-proto"),
    androidDependency(name = "Android Lint Model", libraryName = "precompiled-lint-model"),
    androidDependency(name = "Android Manifest Merger", libraryName = "precompiled-manifest-merger"),
    androidDependency(name = "Android Manifest Parser", libraryName = "precompiled-manifest-parser"),
    androidDependency(name = "Android MLKit Common Library", libraryName = "precompiled-mlkit-common"),
    androidDependency(name = "Android ninepatch Library", libraryName = "precompiled-ninepatch"),
    androidDependency(name = "Android Perf-Logger Library", libraryName = "precompiled-perf-logger"),
    androidDependency(name = "Android Perflib Library", libraryName = "precompiled-perflib"),
    androidDependency(name = "Android Pixelprobe Library", libraryName = "precompiled-pixelprobe"),
    androidDependency(name = "Android Profiler", libraryName = "studio-grpc"),
    androidDependency(name = "Android Repository", libraryName = "precompiled-repository"),
    androidDependency(name = "Android Resource Repository", libraryName = "precompiled-resource-repository"),
    androidDependency(name = "Android Sdk Common", libraryName = "precompiled-sdk-common"),
    androidDependency(name = "Android Sdk Lib", libraryName = "precompiled-sdklib"),
    androidDependency(name = "Android STracer", libraryName = "precompiled-tracer"),
    androidDependency(name = "Android Studio Driver (proto)", libraryName = "asdriver_proto"),
    androidDependency(name = "Android Threading Agent Callback", libraryName = "precompiled-threading-agent-
callback"),
    androidDependency(name = "Android USB Devices", libraryName = "precompiled-usb-devices"),
    androidDependency(name = "Android Wizard Template", libraryName = "precompiled-wizardTemplate.impl"),
    androidDependency(name = "Android Wizard Template Plugin", libraryName = "precompiled-
wizardTemplate.plugin"),
    androidDependency(name = "Android Zipflinger", libraryName = "precompiled-zipflinger"),
    androidDependency(name = "AndroidX Test Library", libraryName = "utp-core-proto-jarjar"),
    LibraryLicense(name = "ANTLR 4.5", libraryName = "compilerCommon.antlr.shaded",
        url = "https://www.antlr.org").newBsd("https://www.antlr.org/license.html"),
    LibraryLicense(name = "ANTLR 4.5 Runtime", libraryName = "compilerCommon.antlr_runtime.shaded",
        url = "https://www.antlr.org").newBsd("https://www.antlr.org/license.html"),
    LibraryLicense(name = "ANTLR 4.9 Runtime", libraryName = "antlr4-runtime-4.9",
        url = "https://www.antlr.org").newBsd("https://www.antlr.org/license.html"),
    LibraryLicense(name = "ap-validation", libraryName = "ap-validation",
        url = "https://github.com/JetBrains/ap-validation").apache("https://github.com/JetBrains/ap-
validation/blob/master/LICENSE"),

    LibraryLicense(libraryName = "apache.logging.log4j.to.slf4j", url = "https://ant.apache.org/")
        .apache("https://logging.apache.org/log4j/log4j-2.2/license.html"),

    LibraryLicense(name = "Apache Ant", version = "1.9", libraryName = "Ant", url = "https://ant.apache.org/")
        .apache("https://ant.apache.org/license.html"),
    LibraryLicense(name = "Apache Axis", libraryName = "axis-1.4", version = "1.4", url =
"https://axis.apache.org/axis/")
        .apache("http://svn.apache.org/viewvc/axis/axis1/java/trunk/LICENSE?view=markup"),
    LibraryLicense(name = "Apache Commons CLI", libraryName = "commons-cli",
        url = "https://commons.apache.org/proper/commons-cli/")
        .apache("https://gitbox.apache.org/repos/asf?p=commons-cli.git;a=blob_plain;f=LICENSE.txt;hb=HEAD"),

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LibraryLicense(name = "Apache Commons Codec", libraryName = "commons-codec", url =
"https://commons.apache.org/proper/commons-codec/")
    .apache("https://github.com/apache/commons-codec/blob/master/LICENSE.txt"),
LibraryLicense(name = "Apache Commons Collections", libraryName = "commons-collections",
    url = "https://commons.apache.org/proper/commons-collections/")
    .apache("https://gitbox.apache.org/repos/asf?p=commons-
collections.git;a=blob_plain;f=LICENSE.txt;hb=HEAD"),
LibraryLicense(name = "Apache Commons Compress", libraryName = "commons-compress",
    url = "https://commons.apache.org/proper/commons-compress/")
    .apache("https://gitbox.apache.org/repos/asf?p=commons-
compress.git;a=blob_plain;f=LICENSE.txt;hb=HEAD"),
LibraryLicense(name = "Apache Commons Discovery", libraryName = "commons-discovery",
    url = "https://commons.apache.org/dormant/commons-discovery/")
    .apache("https://commons.apache.org/dormant/commons-discovery/license.html"),

LibraryLicense(name = "Apache Commons HTTPClient", libraryName = "http-client-3.1", version = "3.1&nbsp;
(with patch by JetBrains)",
    url = "https://hc.apache.org/httpclient-3.x").apache(),
LibraryLicense(name = "Apache Commons Imaging (JetBrains's fork)", libraryName = "commons-imaging",
    url = "https://github.com/JetBrains/intellij-deps-commons-imaging")
    .apache("https://github.com/JetBrains/intellij-deps-commons-imaging/blob/master/LICENSE.txt"),
LibraryLicense(name = "Apache Commons IO", libraryName = "commons-io",
    url = "https://commons.apache.org/proper/commons-io/")
    .apache("https://gitbox.apache.org/repos/asf?p=commons-io.git;a=blob_plain;f=LICENSE.txt;hb=HEAD"),
LibraryLicense(name = "Apache Commons Lang", libraryName = "commons-lang",
    url = "https://commons.apache.org/proper/commons-lang/")
    .apache("https://gitbox.apache.org/repos/asf?p=commons-lang.git;a=blob_plain;f=LICENSE.txt;hb=HEAD"),
LibraryLicense(name = "Apache Commons Lang", libraryName = "commons-lang3",
    url = "https://commons.apache.org/proper/commons-lang/")
    .apache("https://gitbox.apache.org/repos/asf?p=commons-lang.git;a=blob_plain;f=LICENSE.txt;hb=HEAD"),
LibraryLicense(name = "Apache Commons Logging", libraryName = "commons-logging",
    url = "https://commons.apache.org/proper/commons-logging/")
    .apache("https://gitbox.apache.org/repos/asf?p=commons-logging.git;a=blob_plain;f=LICENSE.txt;hb=HEAD"),
LibraryLicense(name = "Apache Commons Math", libraryName = "commons-math3",
    url = "https://commons.apache.org/proper/commons-math/").apache(),
LibraryLicense(name = "Apache Commons Net", libraryName = "commons-net",
    url = "https://commons.apache.org/proper/commons-net/")
    .apache("https://gitbox.apache.org/repos/asf?p=commons-net.git;a=blob_plain;f=LICENSE.txt;hb=HEAD"),
LibraryLicense(name = "Apache Commons Text", libraryName = "commons-text",
    url = "https://github.com/apache/commons-text")
    .apache("https://github.com/apache/commons-text/blob/master/LICENSE.txt"),
LibraryLicense(name = "Apache Ivy", libraryName = "org.apache.ivy", url = "https://github.com/apache/ant-ivy")
    .apache("https://github.com/apache/ant-ivy/blob/master/LICENSE"),
LibraryLicense(name = "Apache Lucene",
    libraryName = "lucene-core", url = "https://lucene.apache.org/java",
    additionalLibraryNames = listOf(
        "lucene-suggest",
        "lucene-memory",

```

```

        "lucene-sandbox",
        "lucene-codecs",
        "lucene-highlighter",
        "lucene-queryparser",
        "lucene-queries",
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        "org.apache.lucene:lucene-core:2.4.1",
        "lucene-query-parser:ind-deps",
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LibraryLicense(name = "AssertJ fluent assertions", libraryName = "assertJ",
    url = "https://github.com/assertj/assertj-core")
    .apache("https://github.com/assertj/assertj-core/blob/main/LICENSE.txt"),
LibraryLicense(name = "AssertJ Swing", libraryName = "assertj-swing",
    url = "https://github.com/assertj/assertj-swing")
    .apache("https://github.com/assertj/assertj-swing/blob/main/licence-header.txt"),
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    .apache("https://xmlgraphics.apache.org/batik/license.html"),
LibraryLicense(libraryName = "blockmap",
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    .apache("https://github.com/JetBrains/plugin-blockmap-patches/blob/master/LICENSE"),
LibraryLicense(libraryName = "bouncy-castle-provider", url = "https://bouncycastle.org")
    .mit("https://bouncycastle.org/licence.html"),
LibraryLicense(name = "Byte Buddy agent", libraryName = "byte-buddy-agent",
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    .apache("https://github.com/raphw/byte-buddy/blob/master/LICENSE"),
LibraryLicense(name = "caffeine", libraryName = "caffeine",
    url = "https://github.com/ben-manes/caffeine")
    .apache("https://github.com/ben-manes/caffeine/blob/master/LICENSE"),
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LibraryLicense(name = "classgraph", libraryName = "classgraph", license = "codehaus",
    url = "https://github.com/classgraph/classgraph",
    licenseUrl = "https://github.com/codehaus/classworlds/blob/master/classworlds/LICENSE.txt"),
LibraryLicense(name = "Common Annotations for the Java™ Platform API", libraryName = "javax.annotation-

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api",
    url = "https://github.com/javaee/javax.annotation",
    license = "CDDL 1.1 / GPL 2.0 + Classpath", licenseUrl = "https://oss.oracle.com/licenses/CDDL+GPL-
1.1"),
    // for ui-animation-tooling-internal module library in intellij.android.compose-designer
    LibraryLicense(name = "Compose Animation Tooling", libraryName = "ui-animation-tooling-internal", version =
"0.1.0-SNAPSHOT",
        url = "https://source.android.com/").apache(),
    // For ADB wireless QR Code generation
    LibraryLicense(name = "Core barcode encoding/decoding library", url =
"https://github.com/zxing/zxing/tree/master/core",
        libraryName = "zxing-core").apache("https://github.com/zxing/zxing/blob/master/LICENSE"),
    LibraryLicense(name = "coverage-report", libraryName = "coverage-report",
        url = "https://github.com/JetBrains/coverage-report")
        .apache("https://github.com/JetBrains/coverage-report/blob/master/LICENSE"),
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        url = "https://coverage.readthedocs.io")
        .apache("https://github.com/nedbat/coveragepy/blob/master/LICENSE.txt"),
    LibraryLicense(name = "Cucumber-Core", libraryName = "cucumber-core-1.2",
        url = "https://github.com/cucumber/cucumber-jvm/tree/main/core")
        .mit("https://github.com/cucumber/cucumber-jvm/blob/main/LICENSE"),
    LibraryLicense(name = "Cucumber-Expressions", libraryName = "cucumber-expressions",
        url = "https://github.com/cucumber/cucumber/")
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"https://github.com/cucumber/cucumber-jvm/")
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        url = "https://github.com/dart-lang/eclipse3", version = LibraryLicense.CUSTOM_REVISION).eplV1(),
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        url = "https://github.com/dart-lang/vm_service_drivers",
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        licenseUrl = "https://github.com/hypfvieh/dbus-java/blob/dbus-java-3.0/LICENSE"),
    LibraryLicense(name = "DecentXML", libraryName = "decentxml",
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    LibraryLicense(name = "docutils", attachedTo = "intellij.python", version = "0.12", license = "BSD",
        url = "https://docutils.sourceforge.io/"),
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"CPL 1.0",
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layout-kernel").eplV1(),

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    url = "https://github.com/vdurmont/emoji-java")
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LibraryLicense(name = "epydoc", attachedTo = "intellij.python", version = "3.0.1",
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LibraryLicense(name = "error-prone-annotations", libraryName = "error-prone-annotations",
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LibraryLicense(name = "fastutil", libraryName = "fastutil-min",
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//    url = "https://github.com/FFmpeg/FFmpeg",
//    license = "???", licenseUrl = "???"),
//LibraryLicense(name = "ffmpeg-platform", libraryName = "ffmpeg-platform",
//    url = "https://github.com/FFmpeg/FFmpeg",
//    license = "???", licenseUrl = "???"),
//https://github.com/bytedeco/javacpp-presets/blob/master/ffmpeg/LICENSE.md
//https://github.com/bytedeco/javacpp/blob/master/LICENSE.txt
// TODO: javacpp: GPL 2.0 + classpath

LibraryLicense(name = "FiraCode", attachedTo = "intellij.platform.resources", version = "1.206", license =
"OFL",
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"https://github.com/tonsky/FiraCode/blob/master/LICENSE"),
// for flatbuffers-java module library in android.sdktools.mlkit-common
LibraryLicense(name = "FlatBuffers Java API", libraryName = "flatbuffers-java",
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LibraryLicense(name = "FreeMarker", attachedTo = "intellij.java.coverage", version = "2.3.30",
    url = "https://freemarker.apache.org")
.apache("https://freemarker.apache.org/docs/app_license.html"),
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    url = "https://github.com/getgauge/gauge-java")
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services-drive/v3")
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LibraryLicense(libraryName = "Gradle", url = "https://gradle.org/", licenseUrl = "https://gradle.org/license")
    .apache("https://github.com/gradle/gradle/blob/master/LICENSE"),
LibraryLicense(name = "Grazie AI", libraryName = "ai.grazie.spell.gec.engine.local",
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        "ai.grazie.utils.lucene.lt.compatibility",
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        "ai.grazie.spell.hunspell.en")).apache(),
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    .apache("https://github.com/apache/groovy/blob/master/LICENSE"),
LibraryLicense(name = "Groovy Ant", libraryName = "org.codehaus.groovy:groovy-ant", url = "https://groovy-
lang.org/")
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LibraryLicense(name = "Groovy JSON", libraryName = "org.codehaus.groovy:groovy-json", url =
"https://groovy-lang.org/")
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"https://groovy-lang.org/")
    .apache("https://github.com/apache/groovy/blob/master/LICENSE"),
LibraryLicense(name = "Groovy Templates", libraryName = "org.codehaus.groovy:groovy-templates",
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    .apache("https://github.com/apache/groovy/blob/master/LICENSE"),
LibraryLicense(name = "Groovy XML", libraryName = "org.codehaus.groovy:groovy-xml",
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LibraryLicense(name = "gRPC: Core", libraryName = "grpc-core", url = "https://grpc.io/")
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LibraryLicense(name = "gRPC: Netty Shaded", libraryName = "grpc-netty-shaded", url = "https://grpc.io/")
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    .apache("https://github.com/google/gson/blob/master/LICENSE"),
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    .apache("https://raw.githubusercontent.com/google/guava/master/LICENSE"),
LibraryLicense(name = "Hamcrest", libraryName = "hamcrest", url = "https://hamcrest.org/")
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LibraryLicense(name = "ICU4J", libraryName = "icu4j", license = "Unicode",
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"OFL",
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androidDependency(name = "Instant run protos", libraryName = "deploy_java_proto"),
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.apache("https://github.com/JetBrains/markdown/blob/master/LICENSE"),
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LibraryLicense(name = "Jackson", libraryName = "jackson", url = "https://github.com/FasterXML/jackson")
.apache("https://github.com/FasterXML/jackson-core/blob/2.14/LICENSE"),
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    url = "https://jakarta.apache.org/oro/")
.apache("https://svn.apache.org/repos/asf/jakarta/oro/trunk/LICENSE"),
LibraryLicense(name = "Jarchivelib", libraryName = "rauschig.jarchivelib",
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LibraryLicense(name = "Java Poet", libraryName = "javapoet",
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version = "0.0.3",
    url = "https://github.com/pthorsson/vscode-jsp",
    licenseUrl = "https://github.com/pthorsson/vscode-jsp/blob/master/LICENSE").mit(),
LibraryLicense(name = "Java Simple Serial Connector", libraryName = "io.github.java.native.jssc",
    url = "https://github.com/java-native/jssc", license = "LGPL 3.0", licenseUrl = "https://github.com/java-native/jssc/blob/master/LICENSE.txt"),
LibraryLicense(name = "Java String Similarity", libraryName = "java-string-similarity",
    url = "https://github.com/tdebatty/java-string-similarity")
.mit("https://github.com/tdebatty/java-string-similarity/blob/master/LICENSE.md"),
LibraryLicense(name = "JavaBeans Activation Framework", libraryName = "javax.activation",
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    license = "CDDL 1.1 / GPL 2.0 + Classpath",

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        licenseUrl = "https://github.com/javaee/activation/blob/master/LICENSE.txt"),
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LibraryLicense(name = "JAXB (Java Architecture for XML Binding) API", libraryName = "jaxb-api",
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1.1"),
LibraryLicense(name = "JAXB (JSR 222) Reference Implementation", libraryName = "jaxb-runtime",
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1.1"),
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        url = "https://bitbucket.org/chromiumembedded/java-cef"),
LibraryLicense(name = "JCIP Annotations", libraryName = "jcip", license = "Creative Commons Attribution
License",
        url = "https://www.jcip.net", licenseUrl = "https://creativecommons.org/licenses/by/2.5"),
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libs/Kodein")
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        "org.apache.maven.resolver:maven-resolver-transport-file",
        "maven-resolver-util:ind-deps")).apache("https://maven.apache.org/"),
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        url = "https://nexus.sonatype.org/.epIV1()",
LibraryLicense(name = "SourceCodePro", attachedTo = "intellij.platform.resources", version = "2.010", license =
"OFL",
        url = "https://github.com/adobe-fonts/source-code-pro",

```

```

        licenseUrl = "https://github.com/adobe-fonts/source-code-pro/blob/master/LICENSE.md"),
LibraryLicense(name = "Spantable", libraryName = "spantable", version = "patched", license = "LGPL 2.1",
        licenseUrl = "https://www.gnu.org/licenses/lgpl.html",
        url = "https://android.googlesource.com/platform/prebuilts/tools/+master/common/spantable/"),
LibraryLicense(name = "sphinxcontrib-napoleon", attachedTo = "intellij.python", version = "0.7",
        url = "https://sphinxcontrib-napoleon.readthedocs.io/",
        licenseUrl = "https://github.com/sphinx-contrib/napoleon/blob/master/LICENSE").simplifiedBsd(),
androidDependency(name = "SQLite Inspector Proto", libraryName = "sqlite-inspector-proto"),
LibraryLicense(name = "ssh-nio-fs", libraryName = "ssh-nio-fs",
        url = "https://github.com/JetBrains/intellij-deps-ssh-nio-fs")
        .mit("https://github.com/JetBrains/intellij-deps-ssh-nio-fs/blob/master/LICENSE"),
LibraryLicense(name = "SSHJ",
        libraryName = "SSHJ",
        url = "https://github.com/hierynomus/sshj")
        .apache("https://github.com/hierynomus/sshj/blob/master/LICENSE"),
LibraryLicense(name = "StreamEx", libraryName = "StreamEx",
        url = "https://github.com/amaembo/streamex")
        .apache("https://github.com/amaembo/streamex/blob/master/LICENSE"),
LibraryLicense(name = "Studio Protobuf", libraryName = "studio-proto", license = "protobuf",
        url = "https://github.com/protocolbuffers/protobuf",
        licenseUrl = "https://github.com/protocolbuffers/protobuf/blob/master/LICENSE"),
LibraryLicense(name = "swingx", libraryName = "swingx", license = "LGPL 2.1",
        url = "https://mvnrepository.com/artifact/org.swinglabs/swingx-core/1.6.2-2",
        licenseUrl = "https://www.opensource.org/licenses/lgpl-2.1.php"),
// for tensorflow-lite-metadata module library in android.sdktools.mlkit-common
LibraryLicense(name = "TensorFlow Lite Metadata Library", libraryName = "tensorflow-lite-metadata",
        url = "https://tensorflow.org/lite").apache(),
LibraryLicense(libraryName = "TestNG", url = "https://testng.org/doc/")
        .apache("https://github.com/cbeust/testng/blob/master/LICENSE.txt"),
LibraryLicense(name = "Thrift", libraryName = "libthrift", url = "https://thrift.apache.org/")
        .apache("https://github.com/apache/thrift/blob/master/LICENSE"),
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        url = "https://github.com/Thriftpy/thriftpy2")
        .mit("https://github.com/Thriftpy/thriftpy2/blob/master/LICENSE"),
// for traceprocessor-proto module library in intellij.android.profilersAndroid
androidDependency(name = "TraceProcessor Daemon Protos", libraryName = "traceprocessor-proto"),
androidDependency(name = "Transport Pipeline", libraryName = "transport-proto"),

LibraryLicense(name = "Trove4j (JetBrains's fork)", libraryName = "trove", license = "LGPL",
        url = "https://github.com/JetBrains/intellij-deps-trove4j",
        licenseUrl = "https://github.com/JetBrains/intellij-deps-trove4j/blob/master/LICENSE.txt"),

LibraryLicense(name = "Typeshed", attachedTo = "intellij.python", version =
LibraryLicense.CUSTOM_REVISION,
        url = "https://github.com/python/typeshed")
        .apache("https://github.com/python/typeshed/blob/master/LICENSE"),
LibraryLicense(name = "unit-api", libraryName = "javax.measure:unit-api:1.0",
        url = "https://github.com/unitsofmeasurement/unit-api")

```

```

.newBsd("https://github.com/unitsofmeasurement/unit-api/blob/master/LICENSE"),
LibraryLicense(name = "uom-lib-common", libraryName = "tech.uom.lib:uom-lib-common:1.1",
    url = "https://github.com/unitsofmeasurement/uom-lib")
.newBsd("https://github.com/unitsofmeasurement/uom-lib/blob/master/LICENSE"),
LibraryLicense(libraryName = "Velocity", url = "https://velocity.apache.org/")
.apache("https://gitbox.apache.org/repos/asf?p=velocity-engine.git;a=blob_plain;f=LICENSE;hb=HEAD"),
LibraryLicense(name = "virtualenv", attachedTo = "intellij.python", version = "20.13.0",
    url = "https://virtualenv.pypa.io/")
.mit("https://github.com/pypa/virtualenv/blob/main/LICENSE"),
LibraryLicense(name = "Visual Studio Code", attachedTo = "intellij.textmate", version = "1.33.1",
    url = "https://github.com/Microsoft/vscode/",
    licenseUrl = "https://github.com/Microsoft/vscode-react-native/blob/master/LICENSE.txt").mit(),
LibraryLicense(name = "weberknecht", libraryName = "weberknecht-0.1.5.jar", version = "0.1.5",
    url = "https://github.com/pelotoncycle/weberknecht")
.apache("https://github.com/pelotoncycle/weberknecht/blob/master/src/de/roderick/weberknecht/WebSocket.java"),
LibraryLicense(libraryName = "winp", url = "https://github.com/jenkinsci/winp")
.mit("https://github.com/jenkinsci/winp/blob/master/LICENSE.txt"),
// for workmanager-inspector-proto module library in intellij.android.app-
inspection.inspectors.workmanager.model
androidDependency(name = "WorkManager Inspector Proto", libraryName = "workmanager-inspector-proto"),
LibraryLicense(name = "Xalan", libraryName = "Xalan-2.7.2", url = "https://xalan.apache.org/xalan-j/")
.apache("https://xalan.apache.org/xalan-j/#license"),
LibraryLicense(libraryName = "Xerces", url = "https://xerces.apache.org/xerces2-j/")
.apache("https://svn.apache.org/repos/asf/xerces/java/trunk/LICENSE"),

LibraryLicense(name = "Xerial SQLite JDBC", libraryName = "sqlite", url = "https://github.com/xerial/sqlite-
jdbc")
.apache("https://github.com/xerial/sqlite-jdbc/blob/master/LICENSE"),
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"https://github.com/xerial/sqlite-jdbc")
.apache("https://github.com/xerial/sqlite-jdbc/blob/master/LICENSE"),

LibraryLicense(name = "xml-apis-ext", libraryName = "xml-apis-ext",
    url = "https://xerces.apache.org/xml-commons/components/external").apache(),
LibraryLicense(name = "xml-resolver", libraryName = "xml-resolver",
    url = "https://xml.apache.org/commons/components/resolver/").apache(),
LibraryLicense(name = "XMLBeans", libraryName = "XmlBeans",
    url = "https://xmlbeans.apache.org/",
    licenseUrl = "https://svn.jetbrains.org/idea/Trunk/bundled/WebServices/resources/lib/xmlbeans-
2.3.0/xmlbeans.LICENSE").apache(),
LibraryLicense(name = "XmlRPC", libraryName = "XmlRPC",
    url = "https://ws.apache.org/xmlrpc/xmlrpc2/")
.apache("https://ws.apache.org/xmlrpc/xmlrpc2/license.html"),
LibraryLicense(name = "XSLT Debugger RMI Stubs",
    libraryName = "RMI Stubs",
    url = "https://confluence.jetbrains.com/display/CONTEST/XSLT-Debugger",
    version = LibraryLicense.CUSTOM_REVISION).apache(),
LibraryLicense(name = "XStream", libraryName = "XStream",

```

```

        url = "https://x-stream.github.io/")
        .newBsd("https://x-stream.github.io/license.html"),
LibraryLicense(name = "XZ for Java", libraryName = "xz", license = "Public Domain",
        url = "https://tukaani.org/xz/java.html",
        licenseUrl = "https://git.tukaani.org/?p=xz-
java.git;a=blob;f=COPYING;h=8dd17645c4610c3d5eed9bcdd2699ecfac00406b;hb=refs/heads/master"),
LibraryLicense(name = "zip-signer", libraryName = "zip-signer",
        url = "https://github.com/JetBrains/marketplace-zip-signer")
        .apache("https://github.com/JetBrains/marketplace-zip-signer/blob/master/LICENSE"),
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        url = "https://github.com/luben/zstd-jni")
        .simplifiedBsd("https://github.com/luben/zstd-jni/blob/master/LICENSE"),
LibraryLicense(name = "zstd-jni-windows-aarch64", libraryName = "zstd-jni-windows-aarch64",
        url = "https://github.com/VladRassokhin/zstd-jni")
        .simplifiedBsd("https://github.com/luben/zstd-jni/blob/master/LICENSE"),
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jetbrainsLibrary("find-action-model-experimental"),
jetbrainsLibrary("find-all-model-experimental"),
jetbrainsLibrary("find-classes-model"),
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jetbrainsLibrary("git-learning-project"),
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jetbrainsLibrary("intellij.remoterobot.robot.server.core"),

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jetbrainsLibrary("kotlin-gradle-plugin-idea"),  
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jetbrainsLibrary("kotlinc.kotlin-scripting-compiler-impl"),  
jetbrainsLibrary("kotlinc.kotlin-scripting-jvm"),  
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jetbrainsLibrary("kotlinc.kotlinx-serialization-compiler-plugin"),  
jetbrainsLibrary("kotlinc.lombok-compiler-plugin"),  
jetbrainsLibrary("kotlinc.low-level-api-fir"),  
jetbrainsLibrary("kotlinc.noarg-compiler-plugin"),  
jetbrainsLibrary("kotlinc.parcelize-compiler-plugin"),  
jetbrainsLibrary("kotlinc.sam-with-receiver-compiler-plugin"),  
jetbrainsLibrary("kotlinc.symbol-light-classes"),  
jetbrainsLibrary("kotlinx-collections-immutable"),  
jetbrainsLibrary("ml-completion-prev-exprs-models"),  
jetbrainsLibrary("tcServiceMessages"),  
jetbrainsLibrary("tips-idea-ce"),

```

jetbrainsLibrary("tips-pycharm-community"),
jetbrainsLibrary("workspace-model-codegen"),
)

private fun androidDependency(name: String, libraryName: String = name) =
    LibraryLicense(name = name, libraryName = libraryName,
        url = "https://source.android.com/").apache("https://source.android.com/setup/start/licenses")
}

```

#### Apache Maven Resources Plugin

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```

package org.jetbrains.kotlin.idea.completion.contributors.helpers

import com.intellij.util.applyIf
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.components.KtScopeContext
import org.jetbrains.kotlin.analysis.api.components.KtScopeKind
import org.jetbrains.kotlin.analysis.api.scopes.KtScope
import org.jetbrains.kotlin.analysis.api.scopes.KtScopeNameFilter
import org.jetbrains.kotlin.analysis.api.signatures.KtCallableSignature
import org.jetbrains.kotlin.analysis.api.symbols.*
import org.jetbrains.kotlin.analysis.api.types.KtType
import org.jetbrains.kotlin.builtins.StandardNames
import org.jetbrains.kotlin.idea.completion.checkers.CompletionVisibilityChecker
import org.jetbrains.kotlin.lexer.KtTokens
import org.jetbrains.kotlin.load.java.JvmAbi
import org.jetbrains.kotlin.name.Name
import org.jetbrains.kotlin.psi.KtDeclaration
import org.jetbrains.kotlin.psi.psiUtil.isPrivate

```

```

/**
 * Origin of [KtSymbol] used in completion suggestion
 */
internal sealed class CompletionSymbolOrigin {
    class Scope(val kind: KtScopeKind) : CompletionSymbolOrigin()

    object Index : CompletionSymbolOrigin()

    companion object {
        const val SCOPE_OUTSIDE_TOWER_INDEX: Int = -1
    }
}

internal fun createStarTypeArgumentsList(typeArgumentsCount: Int): String =
    if (typeArgumentsCount > 0) {
        List(typeArgumentsCount) { "*" }.joinToString(prefix = "<", postfix = ">")
    } else {
        ""
    }

/**
 * @param skipJavaGettersAndSetters if true, skips Java getters and setters that are mapped to Kotlin properties.
 */
internal fun KtAnalysisSession.collectNonExtensionsFromScopeContext(
    scopeContext: KtScopeContext,
    visibilityChecker: CompletionVisibilityChecker,
    scopeNameFilter: KtScopeNameFilter,
    excludeEnumEntries: Boolean,
    withSyntheticJavaProperties: Boolean = true,
    skipJavaGettersAndSetters: Boolean = true,
    symbolFilter: (KtCallableSymbol) -> Boolean = { true }
): Sequence<KtCallableSignatureWithContainingScopeKind> = sequence {
    val indexedImplicitReceivers = scopeContext.implicitReceivers.associateBy { it.scopeIndexInTower }

    for (scopeWithKind in scopeContext.scopes) {
        val kind = scopeWithKind.kind
        val collectWithSyntheticJavaProperties =
            kind is KtScopeKind.TypeScope && withSyntheticJavaProperties && kind.indexInTower in
indexedImplicitReceivers

        val nonExtensions = if (collectWithSyntheticJavaProperties) {
            val implicitReceiver = indexedImplicitReceivers.getValue(kind.indexInTower)
            collectNonExtensionsForType(
                implicitReceiver.type,
                visibilityChecker,
                scopeNameFilter,
                excludeEnumEntries,
                withSyntheticJavaProperties = true,

```

```

        skipJavaGettersAndSetters,
        implicitReceiver.scopeIndexInTower,
        symbolFilter
    )
} else {
    collectNonExtensionsFromScope(scopeWithKind.scope, visibilityChecker, scopeNameFilter,
excludeEnumEntries, symbolFilter).map {
        KtCallableSignatureWithContainingScopeKind(it, kind)
    }
}
yieldAll(nonExtensions)
}
}

/**
 * @param skipJavaGettersAndSetters if true, skips Java getters and setters that are mapped to Kotlin properties.
 * @param indexInTower index of implicit receiver's scope in scope tower if it is known, otherwise null.
 */
internal fun KtAnalysisSession.collectNonExtensionsForType(
    type: KtType,
    visibilityChecker: CompletionVisibilityChecker,
    scopeNameFilter: KtScopeNameFilter,
    excludeEnumEntries: Boolean,
    withSyntheticJavaProperties: Boolean = true,
    skipJavaGettersAndSetters: Boolean = true,
    indexInTower: Int? = null,
    symbolFilter: (KtCallableSymbol) -> Boolean = { true }
): Sequence<KtCallableSignatureWithContainingScopeKind> {
    val typeScope = type.getTypeScope() ?: return emptySequence()
    val syntheticJavaPropertiesTypeScope = type.takeIf { withSyntheticJavaProperties
}?.getSyntheticJavaPropertiesScope()

    val getAndSetAwareNameFilter = scopeNameFilter.getAndSetAware()

    val syntheticProperties = syntheticJavaPropertiesTypeScope?.getCallableSignatures(getAndSetAwareNameFilter)
        ?.filterNonExtensions(visibilityChecker, symbolFilter)
        ?.filterIsInstance<KtCallableSignature<KtSyntheticJavaPropertySymbol>>()
        .orEmpty()

    val callables = typeScope.getCallableSignatures(getAndSetAwareNameFilter).applyIf(skipJavaGettersAndSetters)
    {
        val javaGetterAndSetterSymbols = syntheticProperties.flatMapTo(mutableSetOf()) { it.symbol.getterAndSetter
        }
        filter { it.symbol !in javaGetterAndSetterSymbols }
    }

    val innerClasses =
typeScope.getClassifierSymbols(scopeNameFilter).filterIsInstance<KtNamedClassOrObjectSymbol>().filter {

```

```

it.isInner }
    val innerClassesConstructors = innerClasses.flatMap { it.getDeclaredMemberScope().getConstructors() }.map {
it.asSignature() }

    val nonExtensionsFromType = (callablees + innerClassesConstructors).filterNonExtensions(visibilityChecker,
symbolFilter)

    val scopeIndex = indexInTower ?: CompletionSymbolOrigin.SCOPE_OUTSIDE_TOWER_INDEX

    return sequence {
        yieldAll(nonExtensionsFromType.map {
            KtCallableSignatureWithContainingScopeKind(it, KtScopeKind.SimpleTypeScope(scopeIndex))
        })
        yieldAll(syntheticProperties.map {
            KtCallableSignatureWithContainingScopeKind(it, KtScopeKind.SyntheticJavaPropertiesScope(scopeIndex))
        })
    }.applyIf(excludeEnumEntries) { filterNot { isEnumEntriesProperty(it.signature.symbol) } }
}

context(KtAnalysisSession)
private val KtSyntheticJavaPropertySymbol.getterAndSetter: List<KtCallableSymbol>
    get() = listOfNotNull(javaGetterSymbol, javaSetterSymbol)

/**
 * Returns non-extensions from [KtScope]. Resulting callablees do not include synthetic Java properties and
constructors of inner classes.
 * To get them use [collectNonExtensionsForType].
 */
internal fun KtAnalysisSession.collectNonExtensionsFromScope(
    scope: KtScope,
    visibilityChecker: CompletionVisibilityChecker,
    scopeNameFilter: KtScopeNameFilter,
    excludeEnumEntries: Boolean,
    symbolFilter: (KtCallableSymbol) -> Boolean = { true }
): Sequence<KtCallableSignature<*>> = scope.getCallableSymbols(scopeNameFilter.getAndSetAware())
    .map { it.asSignature() }
    .filterNonExtensions(visibilityChecker, symbolFilter)
    .applyIf(excludeEnumEntries) { filterNot { isEnumEntriesProperty(it.symbol) } }

context(KtAnalysisSession)
private fun Sequence<KtCallableSignature<*>>.filterNonExtensions(
    visibilityChecker: CompletionVisibilityChecker,
    symbolFilter: (KtCallableSymbol) -> Boolean = { true }
): Sequence<KtCallableSignature<*>> = this
    .filterNot { it.symbol.isExtension }
    .filter { symbolFilter(it.symbol) }
    .filter { with(visibilityChecker) { isVisible(it.symbol) } }

```

```

/**
 * Returns a filter aware of prefixes. For example, a variable with the name `prop` satisfies the filter for all the
 following prefixes:
 * "p", "getP", "setP"
 */
private fun KtScopeNameFilter.getAndSetAware(): KtScopeNameFilter = { name ->
    listOfNotNull(name, name.toJavaGetterName(), name.toJavaSetterName()).any(this)
}

private fun Name.toJavaGetterName(): Name? = identifierOrNullIfSpecial?.let {
    Name.identifier(JvmAbi.getterName(it)) }
private fun Name.toJavaSetterName(): Name? = identifierOrNullIfSpecial?.let {
    Name.identifier(JvmAbi.setterName(it)) }

internal fun KtDeclaration.canDefinitelyNotBeSeenFromOtherFile(): Boolean {
    return when {
        isPrivate() -> true
        hasModifier(KtTokens.INTERNAL_KEYWORD) && containingKtFile.isCompiled -> {
            // internal declarations from library are invisible from source modules
            true
        }
    }

    else -> false
}

private fun KtAnalysisSession.isEnumEntriesProperty(symbol: KtCallableSymbol): Boolean {
    return symbol is KtPropertySymbol &&
        symbol.isStatic &&
        symbol.callableIdIfNonLocal?.callableName == StandardNames.ENUM_ENTRIES &&
        (symbol.getContainingSymbol() as? KtClassOrObjectSymbol)?.classKind == KtClassKind.ENUM_CLASS
}
#!/usr/bin/env kotlin

/*
 * Copyright notice
 * Over multiple lines
 */

// comment

foo()
#!/usr/bin/env kotlin

// comment

foo()

```

Maven Dependency Analyzer  
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```
package org.jetbrains.kotlin.idea.completion.contributors

import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.idea.completion.checkers.CompletionVisibilityChecker
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.context.FirImportDirectivePositionContext
import org.jetbrains.kotlin.idea.completion.contributors.helpers.CompletionSymbolOrigin
import org.jetbrains.kotlin.idea.completion.contributors.helpers.getStaticScope
import org.jetbrains.kotlin.idea.completion.lookups.CallableInsertionOptions
import org.jetbrains.kotlin.idea.completion.lookups.CallableInsertionStrategy
import org.jetbrains.kotlin.idea.completion.lookups.ImportStrategy
import org.jetbrains.kotlin.idea.completion.weighers.WeighingContext

internal class FirImportDirectivePackageMembersCompletionContributor(
    basicContext: FirBasicCompletionContext,
    priority: Int
) : FirCompletionContributorBase<FirImportDirectivePositionContext>(basicContext, priority) {
    override fun KtAnalysisSession.complete(positionContext: FirImportDirectivePositionContext, weighingContext:
    WeighingContext) {
        val reference = positionContext.explicitReceiver?.reference() ?: return
        val scopeWithKind = getStaticScope(reference) ?: return
        val symbolOrigin = CompletionSymbolOrigin.Scope(scopeWithKind.kind)
        val visibilityChecker = CompletionVisibilityChecker.create(basicContext, positionContext)

        scopeWithKind.scope.getClassifierSymbols(scopeNameFilter)
            .filter { visibilityChecker.isVisible(it) }
            .forEach { addClassifierSymbolToCompletion(it, weighingContext, symbolOrigin,
            ImportStrategy.DoNothing) }

        scopeWithKind.scope.getCallableSymbols(scopeNameFilter)
            .filter { visibilityChecker.isVisible(it) }
            .forEach {
                addCallableSymbolToCompletion(
                    weighingContext,
                    it.asSignature(),
                    CallableInsertionOptions(ImportStrategy.DoNothing, CallableInsertionStrategy.AsIdentifier),
                    symbolOrigin,
                )
            }
    }
}
```

}  
}

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```
package org.jetbrains.kotlin.idea.completion.contributors.helpers
```

```
import com.intellij.codeInsight.completion.CodeCompletionHandlerBase
import com.intellij.codeInsight.completion.CompletionType
import com.intellij.codeInsight.completion.InsertionContext
import com.intellij.openapi.application.ApplicationManager
import com.intellij.psi.PsiDocumentManager
```

```
internal fun InsertionContext.insertSymbolAndInvokeCompletion(symbol: String) {
    this.insertSymbol(symbol)
    scheduleCompletion(this)
}
```

```
private fun scheduleCompletion(context: InsertionContext) {
    ApplicationManager.getApplication().invokeLater {
        if (!context.editor.isDisposed) {
            CodeCompletionHandlerBase(CompletionType.BASIC, true, false, true)
                .invokeCompletion(context.project, context.editor)
        }
    }
}
```

```
internal fun InsertionContext.insertSymbol(symbol: String, position: Int = tailOffset, moveCaretToEnd: Boolean = true) {
    PsiDocumentManager.getInstance(project).doPostponedOperationsAndUnblockDocument(document)
```

```

document.insertString(position, symbol)
commitDocument()
if (moveCaretToEnd) editor.caretModel.moveToOffset(tailOffset)
}

internal fun InsertionContext.addTypeArguments(typeArgumentsCount: Int) {
    when {
        typeArgumentsCount == 0 -> {
            return
        }
        typeArgumentsCount < 0 -> {
            error("Count of type arguments should be non-negative, but was $typeArgumentsCount")
        }
        else -> {
            commitDocument()
            insertSymbol(createStarTypeArgumentsList(typeArgumentsCount))
        }
    }
}
}

```

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```
/*
```

```
* Copyright notice
```

```
* Over multiple lines
```

```
*/
```

```
/* PRESENT 1 */
```

```
/* PRESENT 2 */
```

```
// PRESENT 3
```

```
/** PRESENT */
```

```
package/* ABSENT 1 */ normal
```

```
/* ABSENT 2 */
```

```
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```

```
package com.maddyhome.idea.copyright.actions
```

```
import com.intellij.copyright.CopyrightBundle
```

```
import com.intellij.openapi.application.runReadAction
```

```
import com.intellij.openapi.fileEditor.FileDocumentManager
```

```
import com.intellij.openapi.progress.coroutinesToIndicator
```

```
import com.intellij.openapi.project.Project
```

```
import com.intellij.openapi.vcs.CheckinProjectPanel
```

```
import com.intellij.openapi.vcs.changes.CommitContext
```

```
import com.intellij.openapi.vcs.changes.ui.BooleanCommitOption
```

```
import com.intellij.openapi.vcs.checkin.*
```

```
import com.intellij.openapi.vcs.ui.RefreshableOnComponent
```

```
import com.intellij.openapi.vfs.VirtualFile
```

```
import com.intellij.psi.PsiFile
```

```
import com.intellij.psi.PsiManager
```

```
import com.intellij.psi.util.PsiUtilCore
```

```
import kotlinx.coroutines.Dispatchers
```

```
import kotlinx.coroutines.withContext
```

```
class UpdateCopyrightCheckinHandlerFactory : CheckinHandlerFactory() {
```

```
    override fun createHandler(panel: CheckinProjectPanel, commitContext: CommitContext): CheckinHandler {
```

```
        return UpdateCopyrightCheckinHandler(panel.project)
```

```
    }
```

```

}

private class UpdateCopyrightCheckinHandler(val project: Project) : CheckinHandler(), CommitCheck {

    override fun getBeforeCheckinConfigurationPanel(): RefreshableOnComponent {
        return BooleanCommitOption.create(project, this, disableWhenDumb = false,
            CopyrightBundle.message("before.checkin.update.copyright"),
            settings::UPDATE_COPYRIGHT)
    }

    override fun getExecutionOrder(): CommitCheck.ExecutionOrder =
        CommitCheck.ExecutionOrder.MODIFICATION

    override fun isEnabled(): Boolean = settings.UPDATE_COPYRIGHT

    override suspend fun runCheck(commitInfo: CommitInfo): CommitProblem? {
        withContext(Dispatchers.Default) {
            coroutineToIndicator {
                val psiFiles = runReadAction { getPsiFiles(commitInfo.committedVirtualFiles) }
                UpdateCopyrightProcessor(project, null, psiFiles, false).run()
            }
        }
        FileDocumentManager.getInstance().saveAllDocuments()
        return null
    }

    private val settings: UpdateCopyrightCheckinHandlerState get() =
        UpdateCopyrightCheckinHandlerState.getInstance(project)

    private fun getPsiFiles(files: List<VirtualFile>): Array<PsiFile> {
        val psiFiles = mutableListOf<PsiFile>()
        val manager = PsiManager.getInstance(project)
        for (file in files) {
            val psiFile = manager.findFile(file)
            if (psiFile != null) {
                psiFiles.add(psiFile)
            }
        }
        return PsiUtilCore.toPsiFileArray(psiFiles)
    }
}

```

Maven Common Artifact Filters

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```
package org.jetbrains.kotlin.idea.completion.contributors.helpers
```

```
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.components.KtScopeKind
import org.jetbrains.kotlin.analysis.api.lifetime.KtLifetimeOwner
import org.jetbrains.kotlin.analysis.api.lifetime.KtLifetimeToken
import org.jetbrains.kotlin.analysis.api.lifetime.withValidityAssertion
import org.jetbrains.kotlin.analysis.api.components.KtScopeWithKind
import org.jetbrains.kotlin.analysis.api.signatures.KtCallableSignature
import org.jetbrains.kotlin.analysis.api.symbols.KtClassifierSymbol
import org.jetbrains.kotlin.analysis.api.symbols.KtPackageSymbol
import org.jetbrains.kotlin.analysis.api.symbols.KtSymbol
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtSymbolWithMembers
import org.jetbrains.kotlin.idea.references.KtReference
```

```
internal fun KtAnalysisSession.getStaticScope(reference: KtReference): KtScopeWithKind? {
    val scopeIndex = CompletionSymbolOrigin.SCOPE_OUTSIDE_TOWER_INDEX

    return when (val symbol = reference.resolveToSymbol()) {
        is KtSymbolWithMembers -> KtScopeWithKind(symbol.getStaticMemberScope(),
KtScopeKind.StaticMemberScope(scopeIndex), token)
        is KtPackageSymbol -> KtScopeWithKind(symbol.getPackageScope(),
KtScopeKind.StaticMemberScope(scopeIndex), token)
        else -> null
    }
}
```

```
internal data class KtClassifierSymbolWithContainingScopeKind(
    private val _symbol: KtClassifierSymbol,
    val scopeKind: KtScopeKind
): KtLifetimeOwner {
    override val token: KtLifetimeToken
        get() = _symbol.token
    val symbol: KtClassifierSymbol get() = withValidityAssertion { _symbol }
}
```

```

internal data class KtCallableSignatureWithContainingScopeKind(
    private val _signature: KtCallableSignature<*>,
    val scopeKind: KtScopeKind
): KtLifetimeOwner {
    override val token: KtLifetimeToken
        get() = _signature.token
    val signature: KtCallableSignature<*> get() = withValidityAssertion { _signature }
}

```

```

internal data class KtSymbolWithOrigin(
    private val _symbol: KtSymbol,
    val origin: CompletionSymbolOrigin,
): KtLifetimeOwner {
    override val token: KtLifetimeToken
        get() = _symbol.token
    val symbol: KtSymbol get() = withValidityAssertion { _symbol }
}

```

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foo()

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```
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$Id: LICENSE.txt 156 2003-09-26 17:36:37Z jstrachan $
```

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```
package org.jetbrains.kotlin.idea.completion.contributors.helpers
```

```
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession  
import org.jetbrains.kotlin.analysis.api.scopes.KtScopeNameFilter  
import org.jetbrains.kotlin.analysis.api.symbols.KtClassifierSymbol  
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtSymbolWithVisibility  
import org.jetbrains.kotlin.idea.base.analysis.api.utils.KtSymbolFromIndexProvider  
import org.jetbrains.kotlin.idea.completion.checkers.CompletionVisibilityChecker  
import org.jetbrains.kotlin.psi.KtElement  
import org.jetbrains.kotlin.psi.KtEnumEntry  
import org.jetbrains.kotlin.psi.KtFile
```

```
internal object FirClassifierProvider {
```

```
    fun KtAnalysisSession.getAvailableClassifiersCurrentScope(  
        originalKtFile: KtFile,  
        position: KtElement,  
        scopeNameFilter: KtScopeNameFilter,  
        visibilityChecker: CompletionVisibilityChecker  
    ): Sequence<KtClassifierSymbolWithContainingScopeKind> =  
        originalKtFile.getScopeContextForPosition(position).scopes.asSequence().flatMap { scopeWithKind ->  
            val classifiers = scopeWithKind.scope.getClassifierSymbols(scopeNameFilter)  
                .filter { visibilityChecker.isVisible(it) }  
                .map { KtClassifierSymbolWithContainingScopeKind(it, scopeWithKind.kind) }  
            classifiers  
        }  
}
```

```

fun KtAnalysisSession.getAvailableClassifiersFromIndex(
    symbolProvider: KtSymbolFromIndexProvider,
    scopeNameFilter: KtScopeNameFilter,
    visibilityChecker: CompletionVisibilityChecker
): Sequence<KtClassifierSymbol> {
    val kotlinDeclarations = symbolProvider.getKotlinClassesByNameFilter(
        scopeNameFilter,
        psiFilter = { ktClass -> ktClass !is KtEnumEntry }
    )
    val javaDeclarations = symbolProvider.getJavaClassesByNameFilter(scopeNameFilter)
    return (kotlinDeclarations + javaDeclarations)
        .filter { visibilityChecker.isVisible(it as KtSymbolWithVisibility) }
}
}

```

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package org.jetbrains.plugins.groovy.lang.resolve.ast.contributor

```
import com.intellij.psi.PsiAnnotation  
import com.intellij.psi.PsiClass  
import com.intellij.psi.PsiElement  
import com.intellij.psi.PsiKeyword.SUPER  
import com.intellij.psi.ResolveState  
import com.intellij.psi.scope.ElementClassHint  
import com.intellij.psi.scope.PsiScopeProcessor  
import com.intellij.psi.util.parentOfType  
import com.intellij.util.SmartList  
import org.jetbrains.plugins.groovy.lang.psi.api.statements.blocks.GrClosableBlock  
import org.jetbrains.plugins.groovy.lang.psi.api.statements.expressions.GrMethodCall  
import org.jetbrains.plugins.groovy.lang.psi.api.statements.typedef.members.GrMethod  
import org.jetbrains.plugins.groovy.lang.psi.impl.GrAnnotationUtil  
import org.jetbrains.plugins.groovy.lang.psi.impl.synthetic.GrLightMethodBuilder  
import org.jetbrains.plugins.groovy.lang.resolve.ClosureMemberContributor  
import org.jetbrains.plugins.groovy.lang.resolve.ResolveUtil  
import org.jetbrains.plugins.groovy.lang.resolve.ast.TupleConstructorAttributes  
import org.jetbrains.plugins.groovy.lang.resolve.ast.constructorGeneratingAnnotations  
  
class SyntheticKeywordConstructorContributor : AbstractGeneratedConstructorContributor() {  
  
    override fun failFastCheck(processor: PsiScopeProcessor, state: ResolveState): Boolean {  
        if (!ResolveUtil.shouldProcessMethods(processor.getHint(ElementClassHint.KEY))) return true  
        val nameHint = ResolveUtil.getNameHint(processor)  
        if (nameHint != null && nameHint != SUPER) return true  
        return false  
    }  
}
```

```

override fun generateSyntheticElements(annotation: PsiAnnotation, closure: GrClosableBlock, mode: String):
Iterable<PsiElement> {
    return if (mode == TupleConstructorAttributes.PRE) {
        createSyntheticConstructors(closure)
    } else {
        emptyList()
    }
}

```

```

private fun createSyntheticConstructors(closure: GrClosableBlock): List<GrMethod> {
    val outerClass = closure.parentOfType<PsiClass>() ?: return emptyList()
    val superClass = outerClass.superClass
    val methods = SmartList<GrMethod>()
    if (superClass != null) {
        val constructors = superClass.constructors
        if (constructors.isEmpty()) {
            val method = SyntheticKeywordConstructor(outerClass, superClass, SUPER)
            methods.add(method)
        }
        else {
            for (constructor in constructors) {
                val method = SyntheticKeywordConstructor(outerClass, superClass, SUPER)
                for (param in constructor.parameterList.parameters) {
                    method.addParameter(param.name, param.type)
                }
                methods.add(method)
            }
        }
    }
    return methods
}

```

```

private class SyntheticKeywordConstructor(containingClass: PsiClass, superClass: PsiClass, name: String) :
GrLightMethodBuilder(containingClass.manager, name) {
    init {
        assert(name.isReserved())
        isConstructor = true
        navigationElement = superClass
        this.containingClass = containingClass
    }
}

```

```

companion object {
    private fun String?.isReserved(): Boolean = this == SUPER

    @JvmStatic
    fun isSyntheticConstructorCall(call: GrMethodCall?): Boolean =

```

```
        call?.callReference?.methodName.isReserved() && call?.resolveMethod() is SyntheticKeywordConstructor
    }
}
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license that can be found in the LICENSE file.
```

```
package org.jetbrains.kotlin.idea.completion.contributors.keywords
```

```
import com.intellij.codeInsight.completion.CompletionParameters
import com.intellij.codeInsight.lookup.LookupElement
import com.intellij.openapi.project.Project
import org.jetbrains.kotlin.idea.completion.KeywordLookupObject
import org.jetbrains.kotlin.idea.completion.context.FirBasicCompletionContext
import org.jetbrains.kotlin.idea.completion.createKeywordElement
import org.jetbrains.kotlin.idea.completion.keywords.CompletionKeywordHandler
import org.jetbrains.kotlin.idea.completion.labelNameToTail
import org.jetbrains.kotlin.analysis.api.KtAnalysisSession
import org.jetbrains.kotlin.analysis.api.components.KtImplicitReceiver
import org.jetbrains.kotlin.analysis.api.renderer.types.impl.KtTypeRendererForSource
import org.jetbrains.kotlin.analysis.api.symbols.KtAnonymousFunctionSymbol
import org.jetbrains.kotlin.analysis.api.symbols.KtClassKind
import org.jetbrains.kotlin.analysis.api.symbols.KtClassOrObjectSymbol
import org.jetbrains.kotlin.analysis.api.symbols.KtSymbol
import org.jetbrains.kotlin.analysis.api.symbols.markers.KtNamedSymbol
import org.jetbrains.kotlin.idea.completion.lookups.CompletionShortNamesRenderer
import org.jetbrains.kotlin.lexer.KtTokens
import org.jetbrains.kotlin.name.Name
import org.jetbrains.kotlin.psi.KtClassOrObject
import org.jetbrains.kotlin.psi.KtExpression
import org.jetbrains.kotlin.psi.KtFunctionLiteral
import org.jetbrains.kotlin.psi.psiUtil.findLabelAndCall
import org.jetbrains.kotlin.types.Variance
```

```
internal class ThisKeywordHandler(
    private val basicContext: FirBasicCompletionContext
) : CompletionKeywordHandler<KtAnalysisSession>(KtTokens.THIS_KEYWORD) {
    @OptIn(ExperimentalStdlibApi::class)
    override fun KtAnalysisSession.createLookups(
        parameters: CompletionParameters,
        expression: KtExpression?,
        lookup: LookupElement,
        project: Project
    ): Collection<LookupElement> {
        if (expression == null) {
            // for completion in secondary constructor delegation call
            return listOf(lookup)
        }
    }
}
```

```

val result = mutableListOf<LookupElement>()
val receivers = basicContext.originalKtFile.getScopeContextForPosition(expression).implicitReceivers

receivers.forEachIndexed { index, receiver ->
    if (!canReferenceSymbolByThis(parameters, receiver.ownerSymbol)) {
        return@forEachIndexed
    }
    val labelName = if (index != 0) getThisLabelBySymbol(receiver.ownerSymbol) else null
    result += createThisLookupElement(receiver, labelName)
}

return result
}

private fun KtAnalysisSession.canReferenceSymbolByThis(parameters: CompletionParameters, symbol:
KtSymbol): Boolean {
    if (symbol !is KtClassOrObjectSymbol) return true
    if (symbol.classKind != KtClassKind.COMPANION_OBJECT) return true
    val companionPsi = symbol.psi as KtClassOrObject
    return parameters.offset in companionPsi.textRange
}

private fun KtAnalysisSession.createThisLookupElement(receiver: KtImplicitReceiver, labelName: Name?):
LookupElement {
    return createKeywordElement("this", labelName.labelNameToTail(), lookupObject = KeywordLookupObject()
        .withTypeText(receiver.type.render(CompletionShortNamesRenderer.rendererVerbose, position =
Variance.INVARIANT))
    }

private fun KtAnalysisSession.getThisLabelBySymbol(symbol: KtSymbol): Name? = when {
    symbol is KtNamedSymbol && !symbol.name.isSpecial -> symbol.name
    symbol is KtAnonymousFunctionSymbol -> {
        val psi = symbol.psi as KtFunctionLiteral
        psi.findLabelAndCall().first
    }
    else -> null
}

}

#!/usr/bin/env kotlin

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import com.intellij.psi.PsiAnnotation
import com.intellij.psi.PsiElement
import com.intellij.psi.ResolveState

```

```

import com.intellij.psi.scope.ElementClassHint
import com.intellij.psi.scope.ElementClassHint.DeclarationKind
import com.intellij.psi.scope.PsiScopeProcessor
import org.jetbrains.plugins.groovy.lang.psi.api.statements.blocks.GrClosableBlock
import org.jetbrains.plugins.groovy.lang.psi.impl.synthetic.GrLightVariable
import org.jetbrains.plugins.groovy.lang.psi.util.GroovyCommonClassNames

class PrePostParametersContributor : AbstractGeneratedConstructorContributor() {
    override fun failFastCheck(processor: PsiScopeProcessor, state: ResolveState): Boolean {
        return processor.getHint(ElementClassHint.KEY)?.shouldProcess(DeclarationKind.VARIABLE) != true
    }

    override fun generateSyntheticElements(annotation: PsiAnnotation, closure: GrClosableBlock, mode: String):
    Iterable<PsiElement> {
        if
        (annotation.hasQualifiedName(GroovyCommonClassNames.GROOVY_TRANSFORM_MAP_CONSTRUCTOR))
        {
            return getMapConstructorParameters(closure, annotation)
        } else {
            return emptyList()
        }
    }

    private fun getMapConstructorParameters(context: PsiElement, annotation: PsiAnnotation): Iterable<PsiElement> {
        return listOf(GrLightVariable(context.manager, "args", "java.util.Map<java.lang.String, ?>", annotation))
    }
}

```

Doxia :: Sink API

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<?xml version="1.0" encoding="UTF-8"?>

<form xmlns="http://www.intellij.com/uidesigner/form/" version="1" bind-to-  
class="com.maddyhome.idea.copyright.ui.CopyrightConfigurable">

<grid id="27dc6" binding="myWholePanel" layout-manager="GridLayoutManager" row-count="6" column-  
count="2" same-size-horizontally="false" same-size-vertically="false" hgap="-1" vgap="-1">

<margin top="0" left="0" bottom="0" right="0"/>

<constraints>

<xy x="20" y="20" width="500" height="400"/>

</constraints>

<properties/>

<border type="none"/>

<children>

<vspacer id="11677">

<constraints>

<grid row="5" column="0" row-span="1" col-span="1" vsize-policy="6" hsize-policy="1" anchor="0" fill="2"

```

indent="0" use-parent-layout="false"/>
  </constraints>
</vspacer>
<component id="2c1e1" class="javax.swing.JLabel">
  <constraints>
    <grid row="3" column="0" row-span="1" col-span="1" vsize-policy="0" hsize-policy="0" anchor="8" fill="0"
indent="0" use-parent-layout="false"/>
  </constraints>
  <properties>
    <text resource-bundle="messages/CopyrightBundle" key="label.regex.to.detect.copyright.in.comments"/>
  </properties>
</component>
<component id="25309" class="javax.swing.JTextField" binding="myKeywordTf" default-binding="true">
  <constraints>
    <grid row="3" column="1" row-span="1" col-span="1" vsize-policy="0" hsize-policy="6" anchor="8" fill="1"
indent="0" use-parent-layout="false">
  <preferred-size width="150" height="-1"/>
  </grid>
</constraints>
<properties/>
</component>
<component id="3bb76" class="javax.swing.JButton" binding="myValidateButton" default-binding="true">
  <constraints>
    <grid row="2" column="1" row-span="1" col-span="1" vsize-policy="0" hsize-policy="0" anchor="4" fill="0"
indent="0" use-parent-layout="false"/>
  </constraints>
  <properties>
    <text resource-bundle="messages/CopyrightBundle" key="button.validate"/>
  </properties>
</component>
<component id="2d808" class="javax.swing.JLabel">
  <constraints>
    <grid row="4" column="0" row-span="1" col-span="1" vsize-policy="0" hsize-policy="0" anchor="8" fill="0"
indent="0" use-parent-layout="false"/>
  </constraints>
  <properties>
    <labelFor value="31075"/>
    <text resource-bundle="messages/CopyrightBundle"
key="label.allow.replacing.copyright.if.old.copyright.matches"/>
  </properties>
</component>
<component id="31075" class="javax.swing.JTextField" binding="myAllowReplaceTextField">
  <constraints>
    <grid row="4" column="1" row-span="1" col-span="1" vsize-policy="0" hsize-policy="6" anchor="8" fill="1"
indent="0" use-parent-layout="false">
  <preferred-size width="150" height="-1"/>
  </grid>
</constraints>

```

```

    <properties/>
  </component>
  <component id="6b6ca" class="javax.swing.JLabel">
    <constraints>
      <grid row="0" column="0" row-span="1" col-span="2" vsize-policy="0" hsize-policy="0" anchor="8" fill="0"
indent="0" use-parent-layout="false"/>
    </constraints>
    <properties>
      <text resource-bundle="messages/CopyrightBundle"
key="label.copyright.text.may.contain.velocity.templates"/>
    </properties>
  </component>
  <grid id="b7e50" binding="myEditorPanel" layout-manager="BorderLayout" hgap="0" vgap="0">
    <constraints>
      <grid row="1" column="0" row-span="1" col-span="2" vsize-policy="3" hsize-policy="3" anchor="0" fill="3"
indent="0" use-parent-layout="false"/>
    </constraints>
    <properties/>
    <border type="none"/>
    <children/>
  </grid>
</children>
</grid>
</form>
// -----
// NOTICE file corresponding to the section 4d of The Apache License,
// Version 2.0, in this case for Maven Core
// -----

```

#### Maven Core

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- Maven Monitor (<http://maven.apache.org/maven-monitor>)
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- Maven Plugin Descriptor Model (<http://maven.apache.org/maven-plugin-descriptor>)
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- Maven Plugin Registry Model (<http://maven.apache.org/maven-plugin-registry>)
- Maven Profile Model (<http://maven.apache.org/maven-profile>)
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- Path: `jvm-debugger/eval4j/src/org/jetbrains/eval4j/interpreterLoop.kt`

- License: BSD ([license/third-party/asm-license.txt][asm])
- Origin: Derived from ASM: a very small and fast Java bytecode manipulation framework, Copyright (c) 2000-2011 INRIA, France Telecom

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The following source code is used for testing the Kotlin IntelliJ IDEA plugin and is not incorporated into any distributions of the compiler, libraries or plugin:

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[kotlinox.collections.immutable]: third-party/kotlinox.collections.immutable-license.txt

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Maven JAR Plugin

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```
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 */
```

Found in path(s):

\* /opt/cola/permits/1492060076\_1673858806.5051994/0/fb-watchman-2-0-2-1-tgz/package/index.js

## 1.1100 type-check 0.4.0

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/opt/cola/permits/1668697181\_1683630571.0954585/0/swc-win32-ia32-msvc-12-3-1-1-tgz/package/next-sw.c-win32-ia32-msvc.node: binary file matches

Found in path(s):

\* /bin/grep

## 1.1102 decamelize 1.2.0

## 1.1103 aspnetcore.startuptemplate 1.5.0

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## 1.1105 require-directory 2.1.1

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## 1.1106 @types/node 18.8.3

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## 1.1108 to-fast-properties 2.0.0

## 1.1109 @radix-ui/react-use-direction 0.1.0

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## 1.1110 checker-qual 3.12.0

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